



# BUYER'S GUIDE '80









# YOUR FUTURE IS OUR FUTURE

International Harvester Company and IH dealers are pleased to present to you, the American Farmer, the *1980 International Agricultural Equipment Buyer's Guide*.

Today, more than ever before, we are joined with American farmers all across our land in a common goal: To continue to improve the productivity of American agriculture.


As you'll see on the following pages, we have moved ahead to reinforce our commitment to you and your family. We have introduced innovative new products, and we have invested many millions of dollars in agricultural research and development. But always with the constant objective of more efficient and productive farm machines, along with the services to support them in the field.

The reason for this concentrated effort is simple. The world has come to rely upon this country, and upon you, as the major source for food and fiber. You have not shirked that responsibility. Nor do we intend to shirk ours.

Like you, we intend neither to stand still nor to reduce our efforts. Together, we shall move ahead to meet the challenge. After all, your future is our future. Your success is our success. Your business is our business, too!

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VIBRA, VIBRA SHANK, WHEAT LAND, CUB, CUB CADET, CADET, LO-BOY AND 

Specifications subject to change without notice.







# TRACTORS

In over a century and a half of service to the agricultural community of North America, a guiding principle of International Harvester has been to give the farmer what he wants and needs with quality. The result is one of the most extensive product lines in the world. And nowhere is that premise more apparent than in the IH tractor lineup. In all, there are 22 different basic models— not counting row-crop, utility, all-wheel drive or hi-clearance configurations. So the choice is yours. Select the power, the transmission and the comfort and convenience features that are exactly right for you. And you save. You never have to buy more tractor . . . or less tractor . . . than you need. But most important is the fact that International provides the opportunity to make the choice that's best for you!

**Now there are three 2 + 2 tractors—**  
New 170 PTO hp model joins the 130.6 and 150 PTO horsepower tractors. All 3 models have the traction, flotation, stability, maneuverability, performance and fuel efficiency you requested in a row-crop tractor.

**2-wheel drive row-crop tractors—**  
6 models ranging from 66 to 161.5 PTO horsepower with new comfort and convenience.

**Utility/row-crop tractors—**  
New 72 PTO horsepower tractors further extend the popular Series 84 line. Now there's a choice of 11 tractors in all.

**Hydrostatic drive tractors—**  
3 different models with 58, 69 and 105 PTO horsepower.

**4-wheel drive tractors—**  
3 models with 230, 300 and 350 engine horsepower.

	Model No.	Horsepower (PTO)	Horsepower (Drawbar)	Displacement (Cu. In.)	Gear Selections	PTO Speeds
Series 88 Tractors	3788	170**	142**	466 diesel turbo	6F/3R 12F/6R Torque Amplifier	1000
	3588	150*	130.9***	466 diesel turbo	8F/4R 16F/8R Torque Amplifier	1000
	3388	130.6*	114.4***	436 diesel turbo	8F/4R 16F/8R Torque Amplifier	540 & 1000
Series 86 Tractors	1586	161.5*	140.6***	436 diesel turbo	6F/3R 12F/6R Torque Amplifier	1000
	1486	145.7*	127*	436 diesel turbo	8F/4R 16F/8R Torque Amplifier	1000
	1086	131.4*	116.2***	414 diesel turbo	8F/4R 16F/8R Torque Amplifier	540 & 1000
	986	105.6*	94.6*	436 diesel	8F/4R 16F/8R Torque Amplifier	540 & 1000
	886	86**	76**	358 diesel	8F/4R 16F/8R Torque Amplifier	540 & 1000
	686	66**	58**	310 diesel	5F/1R 10F/2R Torque Amplifier	540
Series 84 Tractors	884 Row-Crop & Utility	72**		268 diesel	8F/4R 16F/8R Torque Amplifier	540 & 1000
	784 Row-Crop & Utility	67*	58.6*	246 diesel	8F/4R 16F/8R Torque Amplifier	540 & 1000
	684 Row-Crop & Utility	62*	55.9*	239 diesel	8F/4R	540
	584 Row-Crop & Utility	52*	47.4*	206 diesel	8F/4R	540
	484 Utility	42*	38.0*	179 diesel	8F/4R	540
	384 Utility	36**		154 diesel	8F/4R	540
	140	23.7*	21.3*	123 gasoline	4F/1R	540
Hydrostatic Drive Tractors	Hydro 186	105*	82.7*	436 diesel	Hydro (Infinite)	540 & 1000
	Hydro 86	69**	54**	310 diesel	Hydro (Infinite)	540
	Hydro 84 Row-Crop & Utility	58*	43.5*	diesel	Hydro (Infinite)	540
4-Wheel	4706	250** engine	225*	300 diesel turbo	12F/6R	1000









# SERIES 88 ROW-CROP TRACTORS

Rolling across the croplands of the continent are the revolutionary 2 + 2 tractors. These tractors are the first to offer the best of both worlds—2-wheel drive mobility plus 2 more drive wheels for exceptional traction and stability. And now, joining the 3388 and the 3588 2 + 2 tractors is the powerful new 170 PTO hp 3788—king of the rows!

The IH 2 + 2 row-crop tractors are **unique**. There's nothing like them anywhere. With 130.6, 150 and 170 PTO hp respectively, the 3388, 3588 and 3788 tractors are right for both row-crop and open field work. They give you all the advantages of 2-wheel drive tractors of similar size . . . plus the added boost of two more full size drive wheels up front.

**True row-crop tractors** with all the advantages you want and need: adjustable wheel spacings, maneuverability, stability, flotation, all-around visibility, standard Category III, 3-point hitch that's convertible to Category II, PTO, Torque Amplifier transmission, plus a heaping measure of comfort and convenience for easy-going operation day *and* night.

**They look different because they are different.** Most obvious is the sleek, low-profile hood. But there are solid reasons behind it: a powerful IH Series B turbocharged diesel, noted for exceptional torque rise characteristics . . . plus an articulation joint located just ahead of the Control Center. They work together, so that under load, power delivery and weight are equally divided among all four wheels. Result: the 2 + 2s go when conventional row croppers say "no."

**A selection of speeds at your fingertips.** For the 3388 and 3588, you have 16 speeds forward and 8 in reverse. The new

3788 provides 12 speeds forward and 6 in reverse—a combination to handle any job you want to take on. Engaging the Torque Amplifier lever increases pulling power by 17%—on-the-go, without clutching to get through tough spots.

**Pressure-flow compensating hydraulic system** provides variable flow and pressure to meet work load demands exactly. A variable-displacement piston pump senses needs of valves. It then delivers the precise amount of hydraulic power required to lift an implement or power remote cylinders . . . no more and no less. Horsepower and energy are conserved. More power is available at the drawbar.

**Now, see your International dealer** and prove to yourself 2 + 2 adds up to performance like you've never known before!

## Quick facts:

**3388:** 130.6 PTO hp\*\*\*, 6-cylinder turbocharged diesel, 436 cu. in. displacement. Speeds: 16F/8R with Torque Amplifier. 540/1000 RPM PTO. Category III 3-point hitch (converts to Category II).

**3588:** 150 PTO hp\*\*\*, 6-cylinder turbocharged diesel, 466 cu. in. displacement. Speeds: 16F/8R with Torque Amplifier. 1000 RPM PTO. Category III 3-point hitch (converts to Category II).

**New 3788:** 170 PTO hp\*\*, 6-cylinder turbocharged diesel, 466 cu. in. displacement. Speeds: 12F/6R with Torque Amplifier. 1000 RPM PTO. Category III 3-point hitch (converts to Category II).

\*\*Manufacturer's estimate

\*\*\*Official test









# SERIES 88 AND 86 TRACTORS

**Presenting the most luxurious interiors in field or furrow. Offered only in Series 88 and 86 tractors. Yours exclusively from International.**

Just take a look on the facing page at the rich burgundy interior that is standard on Series 88 tractors and optional on all Series 86 tractors. It's a Control Center of unmatched luxury and convenience that makes long work days seem much shorter.

**Two-door Control Center.** Naturally it's much simpler to get on or off a tractor with this design. And you can park tight up against a fence or machine shed and get out the side that's most convenient.

**Inside the Control Center** you'll settle into one of the most comfortable seats ever placed in a farm tractor. It's six-ways adjustable to satisfy the shape you're in. It's fabric upholstered, too. Now, adjust the telescoping steering wheel to your arm reach. Look around. Here's an interior trimmed in softly glowing burgundy red with a long-wearing, heavy-nap carpet to match. Tinted glass all around . . . sun visors . . . even side pockets in each of the doors. You're really traveling in style!

**Split-console controls** features shift levers on the left; hydraulic and hitch controls on the right so you can steer with either hand. A modern instrument panel has a full complement of gauges plus tel-lights and electronic monitors that keep track of vital tractor functions and help you protect your valuable investment.

**Your own weather and entertainment, too!** Naturally, there's a standard heater and air conditioner so you can dial your kind of weather. And if you want some "company" while you're spending those long days in the field . . . it's yours! An AM/FM multiplex cassette stereo radio with push button tuning is standard equipment.

**Standard interior** for Series 86 Control Centers also gives you a comfortable place to work. Standard features include the deluxe, fabric-covered seat, rubber floor mats and solid door trim. Radio is optional for this interior.



**Standard interior for Series 86**

**New Western interior for the new 3788.** An interior themed to the high adventure of Western America is available for the new 3788 2 + 2 tractor. A new deluxe seat features hydraulic suspension with fore, aft and height control. It has foldup armrests and contoured tilt cushions—plus an adjustment for the lumbar area of your back, and for the headrest. Of course, the interior is completely color coordinated. And to complete the relaxing atmosphere, there's an AM/FM multiplex cassette stereo radio with electronic tuning, digital display and quartz clock.



**Optional interior for 3788**







# SERIES 86 TRACTORS

North, south, east, west . . . small grain, row-crops, specialty crops . . . large acreages, small acreages—there's an International Series 86 tractor that's right for you and the job you have to do. Reason is, IH offers 5 models in the 86 to 161 hp range to match farming as you like it.

But it isn't in range of choice alone that Series 86 tractors lead the competitive pack. It's also in value received. They give more because they have more to give. IH-built diesel engines, for example, provide exceptional fuel economy and better oil control, plus lugging power to pull ahead of the rest. Unsurpassed comfort and convenience with the exclusive IH mid-mount Control Center, featuring luxurious interior styling. Space-age electronic monitoring to help protect your tractor investment. Even a bright new lighting package option.

## **International 1586 Tractor—161.5 PTO hp\***

This is a tractor that could well become the kingpin of your entire farming or ranching operation. It's big, powerful and versatile. The 1586 can handle toughest tillage jobs, planting or high-speed cultivation equally well. Powered by an IH Series B turbocharged engine with 436 cu. in. displacement, the 1586 develops greater torque, more reserve power for pulling through. A new PTO gear provides ideal speeds for harvesting. Independent PTO shaft rotates one-quarter turn without starting engine—lets you line up splines for fast and easy hookup. All this plus riding comfort and convenience that can't be beat. The 1586. Middleweight champ of the 2-wheel drive row-crop tractors.

### **Quick facts:**

161.5 PTO hp\*, 6-cylinder turbocharged diesel, 436 cu. in. displacement. Speeds: 12F/6R with Torque Amplifier, 1000 RPM PTO. Category III 3-point hitch (converts to Category II).

## **International 1486 Tractor—145.7 PTO hp\***

If there were a popularity prize for agricultural tractors, the International 1486 would surely be one of the all-time winners. And for very good reasons. It's powered and sized to be exactly right in almost any type of farming operation. It has a powerhouse of an engine—the IH turbocharged Series B diesel—setting a benchmark for deep-down torque reserve and pull-through lugging ability. Torque Amplifier transmission provides 16 forward speeds spaced right where you want 'em. And like other Series 86 tractors, the 1486 offers comfort and convenience that puts it out front by a country mile.

### **Quick Facts:**

145.7 PTO hp\*, 6-cylinder turbocharged diesel, 436 cu. in. displacement. Speeds: 16F/8R with Torque Amplifier, 1000 RPM PTO. Category III 3-point hitch (converts to Category II).



1486







# SERIES 86 TRACTORS

## **International 1086 Tractor— 131.4 PTO hp\***

The only basic difference between the 1086 and the larger 86 Series tractors is its power. It has an IH series B turbocharged diesel engine that delivers 24% torque rise at 80% of rated engine RPM with bias tires. A record that beats all leading contenders in its class with more lugging power. 31% more.

Torque Amplifier transmission provides 16 forward speeds. Mid-Mount Control Center has two doors and "split deck" controls, plus a heater and an air conditioner for your year-round comfort; and it provides you with an unexcelled work view in all directions. The 1086 is also available in a Hi-Clearance model.

### **Quick Facts:**

131.4 PTO hp\*, 6-cylinder turbocharged diesel, 414 cu. in. displacement. Speeds: 16F/8R with Torque Amplifier. 540 and 1000 RPM PTO. Category III 3-point hitch (converts to Category II).

## **International 986 Tractor— 105.6 PTO hp\***

Compare tractors and you'll find you'll have to look long and hard to find any tractor in this power class that even comes close to matching the IH 986 in all-around value at a reasonable price. It features a high-torque, six-cylinder diesel engine with a reputation in field and furrow for reliability and hard-nosed lugging ability. In fact, the 986's 21% torque rise makes it first in its class. And versatile! Here's a tractor that can be the prime power on average and smaller operations, and a tractor that's ideal as a second tractor on

larger operations. The 986 comes equipped with all the IH comfort and convenience advantages that make dawn to dusk operation a little easier. True, it's rated at 100 horses plus, but it works in a class above. A Hi-Clearance model is also available.

### **Quick Facts.**

105.6 PTO hp\*, 6-cylinder naturally aspirated diesel, 436 cu. in. displacement. Speeds: 16F/8R with Torque Amplifier. 540 and 1000 RPM PTO. Category II 3-point hitch (converts to Category I).

## **International 886 Tractor— 86 PTO hp\*\***

The medium-powered 886 is designed to fit into every job on your farm. It has the muscle to earn its keep in the fields—and the nimbleness and maneuverability to make it a natural in the feedlot. In fact, it can be a high-producer in every application. The 886 has an economical, hard-lugging diesel engine. And with its 16-speed transmission (with Torque Amplifier), there's a just-right speed for any job you put it to. Like the larger Series 86 models, the 886 features the Mid-Mount Control Center for optimum operating comfort and convenience year in, year out.

### **Quick Facts:**

86 PTO hp\*\*, 6-cylinder naturally aspirated diesel, 358 cu. in. displacement. Speeds: 16F/8R with Torque Amplifier. 540 and 1000 RPM PTO. Category II 3-point hitch (converts to Category I).

\*Official test

\*\*Manufacturer's estimate



**All-wheel drive option.** All Series 86 Tractors can now be equipped with a 4-wheel drive attachment. It improves traction in slick or loose-soil conditions. It helps to get tillage started earlier and to keep on schedule. When the footing is good, all-wheel drive can be quickly disengaged and the tractor operated as a conventional 2-wheel drive machine. Not for 686 or Hydro 86.



**International 686 Tractor.** At 66 PTO hp\*\*, the 686 is ideal for smaller operations and as a backup tractor. It features an IH 6-cylinder diesel with 310 cu. in. displacement. 10F/2R speeds with optional Torque Amplifier transmission, 540 RPM PTO. Category II 3-point hitch. Standard equipment includes ROPS safety frame; hydrostatic power









# SERIES 84 TRACTORS

With the introduction of the all-new 884, you now have a choice of 9 Row-Crop and Utility tractors in the popular 42 to 72 hp class—plus low-profile models, all-wheel drive and a wide range of front axle options. Nobody offers more. Nobody.

Whether you want a tractor for chore work, or a "work-horse" that can double-up in the field, there's a Series 84 tractor that's just right for you. You get more in a Series 84—everything it takes to handle most any type of job around your farm or ranch. Everything it takes to make quick work of cleaning out feedlots or plowing a field—from baling your hay—to digging your post holes.

For 1980, that range of versatility has been increased even further. Three all-new models have been added to the line—the 884, available in row-crop, utility and all-wheel drive configurations; new seats. Torque Amplifier transmissions for the 784 and 884. And more.

If you don't see exactly what you want on these pages, call your IH dealer and ask. Chances are mighty good he'll be able to accommodate you with just what you're looking for. While you're at it, arrange for a test drive. Once you're in the seat of a Series 84, you probably won't want to settle for anything else—unless it's another International!

## FIVE UTILITY MODELS

**New 884—72 PTO hp\*\***—4-cylinder, IH-built diesel, 268 cu. in. displacement. Speeds: 8F/4R standard; 16F/8R with optional Torque Amplifier. 540/1000 RPM PTO. Category II 3-point hitch.

**784—67 PTO hp\***—4-cylinder, IH-built diesel, 246 cu. in. displacement. Speeds: 8F/4R standard; 16F/8R with optional Torque Amplifier. 540/1000 RPM PTO. Category II 3-point hitch.

**684—62 PTO hp\***—4-cylinder, IH-built diesel, 239 cu. in. displacement. Speeds: 8F/4R. 540 RPM PTO. Category II 3-point hitch.

**584—52 PTO hp\***—4-cylinder, IH-built diesel, 206 cu. in. displacement. Speeds: 8F/4R. 540 RPM PTO. Category II 3-point hitch.

**484—42 PTO hp\***—3-cylinder, IH-built diesel, 179 cu. in. displacement. Speeds: 8F/4R. 540 RPM PTO. Category I 3-point hitch.

## FOUR ROW-CROP MODELS

**New 884—72 PTO hp\*\***—4-cylinder, IH-built diesel, 268 cu. in. displacement. Speeds: 8F/4R standard; 16F/8R with optional Torque Amplifier. 540/1000 RPM PTO. Category II 3-point hitch.

**784—67 PTO hp\***—4-cylinder, IH-built diesel, 246 cu. in. displacement. Speeds: 8F/4R standard; 16F/8R with optional Torque Amplifier. 540/1000 RPM PTO. Category II 3-point hitch.

**684—62 PTO hp\***—4 cylinder, IH-built diesel, 239 cu. in. displacement. Speeds: 8F/4R. 540 RPM PTO. Category II 3-point hitch.

**584—52 PTO hp\***—4-cylinder, IH-built diesel, 206 cu. in. displacement. Speeds: 8F/4R. 540 RPM PTO. Category II 3-point hitch.

\*Official test

\*\*Manufacturer's estimate







# SERIES 84 TRACTORS

## **Loaded with standard features.**

The IH philosophy is to build the same high quality into all tractors in a line regardless of size. Series 84 tractors are no exception. Take a look at some of the advanced features on every one of these spirited performers:

**Split-deck controls.** Controls are in right and left-hand consoles where they're fingertip-convenient. Shift on the left. Hydraulics on the right.

**3-lever hydraulic hitch control.** One lever raises and lowers implements; another sets degree of draft-control response. A third lever controls rate of raise response.

**Torsion bar draft control** senses and makes changes as fast as three times per second. This provides accurate load and implement control—steadier going in varying conditions.

**Big-capacity hydraulics.** All Series 84 tractors have plenty of hydraulic power for positive steering, braking and implement control. 4-position auxiliary valve with raise, neutral, lower and float.

**Hydraulic disc brakes** are self-energizing and self-equalizing for sure, controlled stops. Pedals can be operated individually or latched together.

**Dyna-Life® clutch.** This is the same type clutch IH uses on their biggest tractors. Compared to ordinary fiber-faced clutches, the Dyna-Life clutch with cerametallic facing lasts longer and transmits power better.

**Planetary final drives** put maximum gear reduction close to the load to reduce stress on rest of powerline. Compact design provides excellent crop clearance.

**Differential lock.** A standard feature on Series 84 tractors. It will help you maintain better traction and control in slippery field or feedlot conditions.

**Independent PTO** is hydraulically actuated, and you can feather in or out of operation to reduce shock loads.

**Ether starting aid** virtually assures quick starts in frigid weather.

**Remote hydraulic cylinders** are powered by auxiliary valve with automatic hydraulic unlatch feature. Couple or uncouple under pressure without messy oil spills.

**Suction line filtration** protects entire hydraulic system. Oil is filtered *before* it reaches the pump so contaminants are removed before they harm pump or valves.

**Hydrostatic power steering**, teamed with the hydraulic disc brakes, makes tight turns easy—helps you maintain control of your tractor at all times.

**IH maintenance-free battery.** Maximum service convenience. Easy to get at, too. Just lift hood panel and battery is exposed.

**Front axle to suit your needs** is an advantage of IH Series 84 tractors. *Straight, row-crop axle* with six adjustable positions is standard for all Series 84 tractors with the exception of the 484 and 584 utility models. It telescopes for tread adjustments from 48 to 76 inches. *Swept-*

*back front axle* on the 484 and 584 utility models adjusts to six different tread widths. The swept-back design adds extra strength for tight turns. *Hi-arch axle* provides 27.2 inches of clearance. It's standard on the 584; optional on all other Row-Crop models. *Tobacco special axle* provides an extra-wide wheel track for the cultivation of tobacco and similar crops. Available for all Row-Crop models with Hi-arch axle.

**Now you can have all-wheel drive** on your 584, 784 and 884 tractors. This new production booster permits you to improve traction and pull power and keep right on working in conditions that would be "off limits" to most conventional 2-wheel drive tractors. When all-wheel drive is not required, you can disengage it and use your tractor as a 2-wheeler. The 4-wheel drive attachment is a factory-installed option.





## TWO FOR ECONOMY



### **384 Utility tractor—36 PTO hp\*\***

If you want a small utility tractor to go with your larger tractors, you'll be hard pressed to find a better buy than the International 384. It has an IH-built 4-cylinder diesel engine, an 8-speed transmission, power steering, and "live" PTO. Added protection is available in 1980 with a new 2-post ROPS.

\*\*Manufacturer's estimate. Not for sale in Nebraska.



### **140 tractor—23.7 PTO hp\***

A special tractor for special needs. Because of its offset Culti-Vision design and slow ground speeds, the IH 140 is an excellent tractor for close cultivation of delicate, high-value crops such as vegetables and





# EXCLUSIVE HYDROSTATIC DRIVE TRACTORS

If you haven't considered hydrostatic drive before, why not make a point of it in 1980. These IH hydro tractors give you fast speed change and infinite speed selection—without clutch or throttle—an advantage that adds up to a productive edge when precise speed control is a must.

## Hydro 186—105 PTO hp\*

With the International Hydro 186, you use one lever to change travel speed . . . without clutching, shifting or throttling. Move the lever forward to travel forward . . . move it rearward to back up. And the further you move it, the faster you go. That's all there is to it. You have absolute control of your speed—infinately variable from 0 to 16.6 mph forward; from 0 to 6.9 mph in reverse. You maintain full engine horsepower, constant PTO speed and full hydraulic power at any ground speed. In jobs like planting, forage harvesting and baling you run at the right speed for crop and conditions. The Hydro 186 is equipped with the Mid-Mount Control Center and Electronic Data Center. The diesel engine is 436 cubic inches.

## Hydro 86—69 PTO hp\*\*

The International Hydro 86 is powered by a high-torque 310 cu. in. diesel with outstanding fuel efficiency. Hydrostatic drive lets you plow, plant, cultivate, harvest and load at the optimum speed for each job. Hydrostatic power steering, self-energizing disc brakes, category II 3-point hitch. ROPS frame is standard equipment. The Hydro 86 is also available in a Hi-Clear model.

## Hydro 84—58 PTO hp\*

The newest member of the International line of hydrostatic drive tractors is the Hydro 84, available as a row-crop or as a utility-type tractor. Whether you need a tractor of this power size for field work, jobs around the feedlot, or both, there's a place for this versatile tractor in your operation. Standard equipment includes a Category II 3-point hitch, drawbar and 540 RPM PTO.

\*Official test

\*\*Manufacturer's estimate





# 4-WHEEL DRIVE TRACTORS

Here are the most powerful of the International farm tractors. With rugged frames, massive turbocharged engines, sure-footed traction, articulated maneuverability, outstanding performance at the drawbar—all to meet the challenge of horizon-reaching acres, and wide spans of implements.

## **International 4786—350 engine hp\*\***

Producing 260 drawbar horsepower, the International 4786 is ready for the big jobs on the biggest operations. Optional equipment includes a Category IV 3-point hitch for use with today's largest equipment as well as the heavier equipment of the future. New features for 1980 include a center-mounted drawbar, color coded hydraulic levers, aspirated air cleaner, plus new Control Center interior and seat.

### **Quick facts:**

350 engine hp\*\*; 265 drawbar hp\*;  
800 cu. in. V-8 diesel engine; 10-speed transmission; optional Category IV 3-point hitch.

## **International 4586—300 engine hp\*\***

With 235 drawbar hp, the 4586 is second largest of all IH agricultural tractors. Its 800 cubic-inch turbo-charged diesel features plateau-honed wet sleeves, oil-jet cooling system, plus 4 valves per cylinder for excellent engine breathing. Wheel treads are adjustable anywhere between 68 and 124 inches, making the 4586 suitable for row-crop as well as open field work. Standard equipment includes AM/FM radio, power brakes, decelerator, touch-type digital instruments, plus the "new for '80" features included in the 4786.

### **Quick facts:**

300 engine hp\*\*; 235 drawbar hp\*;  
800 cu. in. V-8 diesel engine; 9-speed transmission; optional Category IV 3-point hitch.

## **International 4386—230 engine hp\*\***

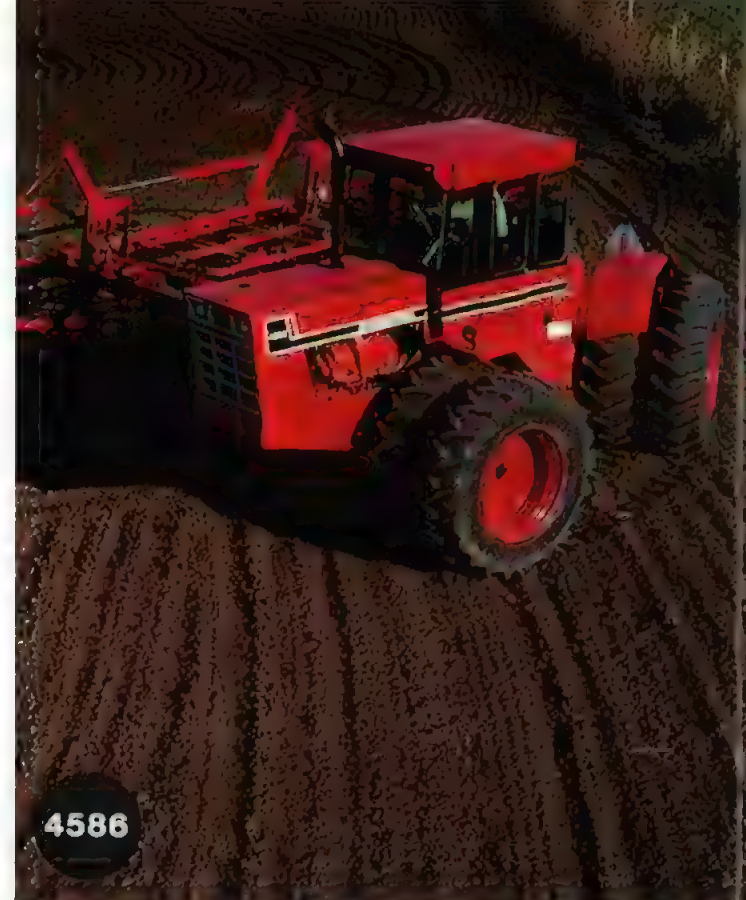
The 4386 is sized to more than pay its way in virtually any type of operation. Its big power comes from a highly efficient 6-cylinder diesel that's both turbocharged and intercooled. This engine is rated at 230 horsepower and delivers 176 drawbar hp. Articulated design, power steering and power brakes ease maneuvering. Floating power divider permits tight turns—reduces strains on U-joints and increases drive-line lift. As with the larger IH 4-wheelers, the 4386 features an exclusive Data Center for digital readout of vital tractor functions. AM/FM radio, decelerator and "new for '80" features also standard equipment.

### **Quick facts:**

230 engine hp\*\*; 176 drawbar hp\*;  
466 cu. in. 6-cylinder diesel engine;  
constant-mesh 10-speed transmission;  
optional Category III 3-point hitch.

## **New Control Center interior and seat**

Shown below is the striking new color-coordinated interior with deluxe Con-touride seat, similar to the one in the 3788 tractor. Standard on all 4-wheel drive models.















# TILLAGE EQUIPMENT

As an agri-businessman, and as a professional producer of food and fiber, you know that the foundation for getting top yields is a properly prepared seedbed. In some areas and climates, a properly prepared seedbed is one that's smooth with fine-textured top soil to promote better performance from planting equipment and better use of nutrients and moisture. In other areas, the right seedbed may be one with a trash-laced surface to help control erosion and promote more complete absorption of the scant rainfall that's available every year. Still, in other places, a "middle-of-the-road" tillage job will produce the best seedbed for that particular area.

Because there is no one type of seedbed that's exactly right for all crops, all areas, all conditions, International Harvester continues to provide a full line of tillage equipment to meet every farmer's exact requirements. And this is why you can find equipment to meet your specific needs and to match your tractor horsepower by making just one stop—your IH dealer.

**Moldboard plows**—12 different models in all—mounted, in 2 to 5 bottom sizes; mounted 2-way, in 3 to 6 bottom sizes; semi-mounted, in 3 to 8 bottom sizes—including a model with adjustable cutting width; and trailing models in 5 to 16 bottom sizes.

**Disk harrows**—12 models total, in mounted, wheel-controlled tandem, and wheel-controlled offset. New this year is the 596, the biggest, heaviest tandem IH has ever built.

**Chisel equipment**—Chisel plows and Vibra chisels in mounted, trailing and trailing wing-type models—with new features and improvements. Also deep-working subsoil chisels in a choice of sizes and types.

**Soil conditioning tools**—Wide choice of models to help you put the finishing touch to seedbeds: Vibra Shank cultivators; packer-mulchers; seedbed conditioners; Vibra tine, spring-tooth and peg-tooth harrows.



# MOUNTED MOLDBOARD PLOWS

For compact pick-up-and-go convenience, you can choose from a variety of sizes in two models. Whatever your soil or field conditions, there's one available to fit your needs and tractor power.

## 450 Heavy-duty Plow

Your best choice for non-stop plowing where the going is tough, as in rocky or root-infested fields. The 450 has a big 30-inch vertical clearance and is built tough to take hard going. Whether you choose automatic reset beams on 3 and 4-bottom models or toggle trip beams on 3, 4 and 5-bottom plows, you'll keep going with minimum time-wasting stops. Category II 3-point hitch.

## 420 Economy Plow

This popular plow offers a lot of performance for the money. It is equipped with dependable spring-trip beams and is available in a big choice of sizes. Category I 3-point hitch for 2 and 3-furrow sizes; Category II, with or without Quick Coupler, for 3-furrow and larger sizes.

Model	No. of Bottoms	Furrow Spacing	Plowing Depth	Vertical Clearance
450	3,4,5	16"	12"	30"
420	2, 3, 4	14"	10"	27"
	2, 3, 4, 5	16"	10"	27"







# MOUNTED TWO-WAY PLOWS

You get fast hydraulic "roll-over" and top clearance with International two-way plows. They're ideal for making smooth surfaced seedbeds—in irrigated, contoured or terraced fields.

## NEW! 165 Heavy-duty Plow

Biggest and strongest of the International two-ways. Choice of rigid or spring-trip beams on 4 and 5-furrow sizes, rigid only on 6-furrow. Capacity-matched for big tractors, the 165 is equipped with 3-point combination Category II and III hitch coupling for 4 and 5-furrow plows, Category III and IV for 6-furrow plows.

## 145 High-clearance Plow

Plows down to 12 inches, handles heavy trash with ease. You get big vertical clearance with automatic hydraulic reset, spring-trip beams or rigid beams. Big fore and aft clearances keep you on the go with minimum plug-ups. Easy, quick-set leveling adjustment and depth controlling gauge wheel. 3, 4 or 5-furrow sizes. Category II and III 3-point hitch.

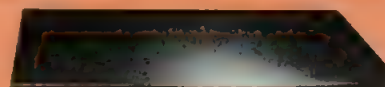
## 125 Economy Plow

The ideal 2-way plow for tractors under 100 horsepower. Equipped with spring-trip beams, automatic 2-way gauge wheel and Category II 3-point hitch. Spring-loaded furrow wheel optional.

## Get genuine IH plow shares to plow fast and clean

Protect your investment with genuine IH plow shares and parts. We have just the type you need to match your soil conditions.

**Flat Shares**—your best buy for economical plowing in most types of soils. **Heavy-duty Upset Shares**—with extra thickness through front portion for added strength in rocky and abrasive soils. **Deep Suck**



Model	No. of Bottoms	Furrow Spacing	Plowing Depth	Vertical Clearance
165	4 5, 6 5	18" 16"	14" 14"	30" 30"
145	3, 4 3, 4 3, 4, 5	18" 16 or 18" 18"	12" 12" 12"	32" 29" 29"



# SEMI-MOUNTED PLOWS

Today's most advanced high-clearance plows include the automatic 735 Vari-Width plow. Adjustable pivoting hitches and automatic tail wheel steering on all models make them exceptionally easy to control for superior high-speed performance behind any tractor.

## 735 Vari-Width Plow

The only plow that gives you variable cutting width and automatic line-of-draft adjustment. Cutting width can be adjusted hydraulically from 14 to 22 inches on the go. Reduce cutting width behind smaller tractors or to produce smoother field surfaces in the spring ... then increase cutting width for bigger tractors or to produce wide-slab furrows and trash-laced ridges for erosion control in the fall. Automatic adjustment assures correct line of draft at any cutting width. Big trash clearance makes it an effective conservation tillage plow. Toggle trip or automatic reset beams. Category III 3-point hitch.

## 720 Heavy-duty High-clearance Plows

These husky, big-clearance plows have the ability to keep going through heavy trash while plowing down to 12 inches. Four to 8-furrow sizes; 5 and 6-furrow models available with 20-inch spacing for extra-wide furrow slices. Choice of toggle trip or automatic reset beams. Category II and III 3-point hitches.

## 510 Economy Plow

Delivers quality performance in a variety of conditions. Provides excellent trash clearance; equipped with low-maintenance spring-trip beams. Category II 3-point hitch.

Model	No. of Bottoms	Furrow Spacing	Plowing Depth	Vertical Clearance
735	5, 6	14 to 22"	12"	34"
720	4, 5, 6, 7	16 or 18"	12"	33"
	5, 6	20"	12"	33"
	8	18"	12"	33"







# TRAILING PLOWS

**Big capacity, high clearance trailing plows are available in three models, providing you with a choice of features and sizes—from 5-furrow 16-inch to 16-furrow 18-inch. Select one that's capacity-matched to your tractor power, and you can be sure of excellent big-acreage performance.**

## **800 Flex-Frame Plow**

The giants of the IH line, with 9 to 16 bottoms to take maximum advantage of your most powerful 4-wheel drive tractors. Exclusive, patented Flex-Frame design, with frame hinged in center, permits vertical flexibility over uneven ground surfaces for uniform plowing depth across the entire width of cut. Toggle-trip or automatic reset beams.

## **700 High-clearance Plow**

A big performer with clearances especially well-suited for plowing in heavy stalks or trash. Available with toggle-trip or automatic reset beams . . . 7, 8 and 9 bottom sizes.

## **770 Economy Plow**

A trailing plow that provides excellent performance in most soil conditions. Features automatic reset beams and reversible drawbar for on-land or in-furrow plowing. A special tandem hitch is available to let you double up two plows behind a larger tractor.

Model	No. of Bottoms	Furrow Spacing	Plowing Depth	Vertical Clearance
800	9, 10, 11, 12, 14, 16	18"	12"	33"
700	7, 8, 9, 7, 8	18" 16"	12" 12"	33" 33"
770	5, 6	16"	10"	30"



# TANDEM DISK HARROWS

**"The toughest gang around" makes International your best choice in disk harrows. Gangs are unit-built, with all components precisely matched for top reliability: sturdy spring-steel arbor bolts, nodular iron spacer spools; rubber-mounted regreasable bearings and Crimp-Center blades. Result: long life, top performance, and low maintenance.**

## **NEW! 596 Folding Wing Harrow**

Biggest tandem disk harrow IH builds. With up to 575 pounds per foot of cut, plus extra-large clearances, for tough primary tillage behind big 4-wheel drive tractors. Big 26 x 1/4-inch blades slice through tough stalks, trash and soil for deep, thorough tillage. Re-phasing type master and slave cylinders are synchronized for precise hydraulic depth control to any desired working depth. Preset, non-adjustable gangs, welded tubular steel frame and self-leveling spring cushion hitch.

## **501 Non-folding and Folding Wing Harrow**

Offers strength, weight and capacity for tough tillage jobs. Big blades chop through tough stalks and pulverize hard clods as they penetrate as deep as 9 inches. Main frame has rugged strength, plus flexibility to follow ground contours. Wing model folds hydraulically.

## **490 Flexible Folding Wing Harrow**

Industry leader in large flex-wing harrows, with cutting widths up to 32 feet to cover extra big acreages fast. Wings flex up and down for uniform disking over rolling and uneven ground.

## **485 Folding Wing Harrow**

This one handles the tough jobs at high speeds. Self-locking wings, hydraulic

## **475 Non-folding and Folding Wing Harrow**

Here's a wide choice of popular sizes for economical, big-capacity performance. Wing-types are available with choice of manual or hydraulic folding. Torsion frame permits level disking in uneven terrain.

## **370 Non-folding Medium-duty Harrow**

Lighter weight disk harrow with most of the same superior construction features of the bigger, heavy-duty models. Gives you plenty of performance for your money.

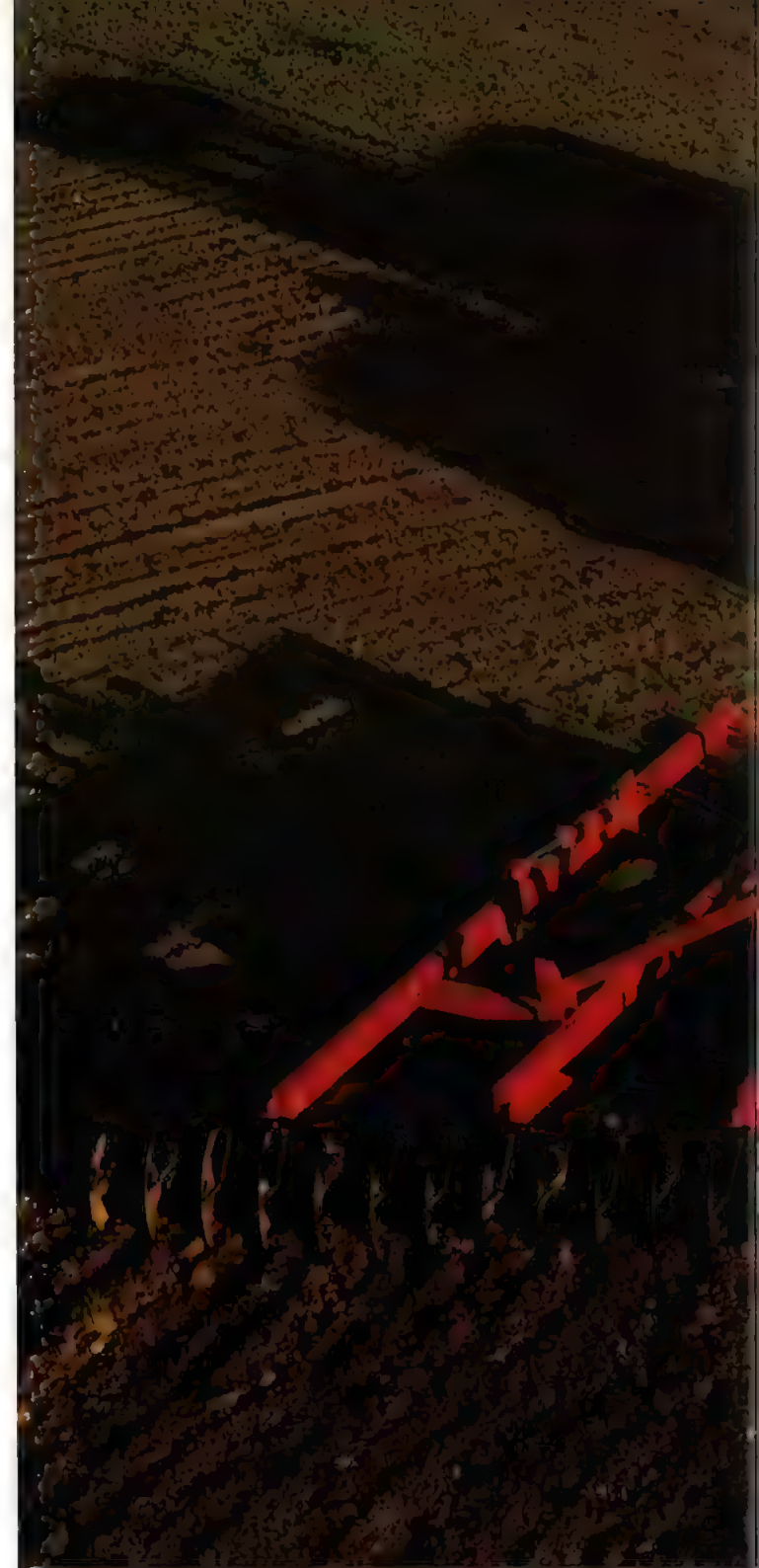
## **350 Non-folding Economy Harrow**

Smallest of the wheel-controlled models, but an excellent performer in most soils. It also features many of the design advantages found on the bigger models.

## **122 Fully-mounted Harrow**

Gives you maximum economy for smaller tractors and acreages. And it has 4-way versatility—convert it from a rigid to a flexible tandem... to a heavy-duty or a light-duty bush and bog.

Model	Non-folding	Folding Wing	Blade Sizes	Blade Spacing
596		22'7" to 30'10"	26"	10 1/2"
501	12'5" to 15'9"	20'8"	24 or 26"	10 1/2"
490		20'6" to 32'	20 or 22"	7 1/2 or 9"
485		19'1" to 23'4"	22 or 24"	9"
475	11'6" to 16'3"	17'5" to 21'	20 or 22"	7 1/2 or 9"
370	11'6" to 13'10"		18 to 20"	7 1/2 or 9"
350	9'1" to 12'		18 or 20"	7 1/2 or 9"
122	5'6" to		18 or 20"	7 1/2 or









# OFFSET DISK HARROWS

You'll benefit from the clean, rugged design and big clearances of these outstanding offset harrows. Ideal for primary tillage or for fine finishing of level, furrow-free seedbeds — and they'll keep going in the heaviest trash. All feature IH unit-built gangs. Crimp Center blades and regreasable, triple sealed self-aligning bearings.

## 780 Extra Heavy Plowing Type Harrow

Cuts through the heaviest trash including rice and tough cotton stalks while penetrating as deep as 14 inches. Built for extra heavy-duty work behind high horsepower tractors. Non-folding and wing-type.

## 770 Regular and Deep-tillage Harrow

Two types, with difference in size and weight of frame members. The deep-tillage type is available in non-folding or folding wing models with 24, 26 or 28-inch blades. The regular 770 model is available in non-folding types only, with 24 or 26-inch blades.

## 760 Non-folding Medium Duty Harrow

Economical choice for working depths to 7 inches, with performance that combines the advantages of both a secondary tillage tool and a fine-finishing harrow. Same over-all design features as in the heavier models.

Model	Non-folding	Folding Wing	Blade Sizes	Blade Spacing
780	12'1" to 15'10"	21'7"	30 or 32"	12"
770 Regular	10'4" to 13'8"		24 or 26"	10½"
770 Deep Tillage	13'9" to 20'5"	20'5" & 23'9"	24, 26 or 28"	10½"







356



350



315



## SOIL CONDITIONING TOOLS

The IH line of fine-finishing and soil-conditioning tools help you prepare productive seedbeds fast. Check the wide variety of types and sizes to match cropping practices and your tractor power.

### 356 Trailing Spring-tooth Harrow

Biggest in the line, works as wide as 60 feet. Built in 5 hinged sections to flex over ground contours. Wings fold automatically to the rear for easy transport.

### 354 Trailing Spring-tooth Harrow

Same finishing action as the 356, but with 3 hinged sections, 6 wheels and sizes up to 39 feet. Also has automatic rearward folding wings.

### 352 Trailing Spring-tooth Harrow

Economical medium-capacity model in sizes up to 27 feet. This harrow has many of the 356 and 354 design features, but wings fold forward manually for transport.

### 401 Spring-tooth Harrow

Economy model features joined-type 4-foot sections with manual tooth control. 12 and 16-foot models for use with drag-type drawbars or 16 and 20-foot sizes for hydraulic implement carrier.

### 350 Vibra® Tine Harrow

S-shaped vibrating tines do an excellent job of conditioning soil into fine seedbeds. Available in non-folding and folding wing-types, both fully mounted for pick-up-and-go convenience.

### 9 Peg-tooth Harrow

Staggered teeth are mounted in 6-foot sections to cover ground completely. Available in 3 types—flexible open-end, rigid open-end and rigid closed end.

Drag-type drawbars for up to 4 sections, or 310 wheel-controlled drawbar for as many as 7 sections.

### 315 Packer-Mulcher

Turns plowed ground into a fine, ready-to-plant seedbed in one single pass. Roller packer wheels (notched or crowfoot on front, notched on rear) and center-mounted ranks of spring teeth provide combination of clod crushing, soil loosening and firming action. Non-folding and folding wing-types.

### 468 Seedbed Conditioner

Conditions fine seedbeds while saving up to three trips across your field. Spiral reels up front cut down beds and chop stalks, peg-tooth center sections further pulverize and loosen the soil, and rear leveling boards smooth out the surface. A special tooth attachment (Vibra® tine or Vibra Shank®) is available for mounting up front to pre-condition the soil ahead of the reels. Non-folding and wing-types.

Implement	Model and Type	Sizes
Spring-tooth Harrows	401 Trailing	12' to 20'
	352 Trailing	18' to 27'
	354 Trailing	30' to 39'
	356 Trailing	48' to 60'
350 Vibra® Tine Harrows	Mounted Mounted Wing	10' to 14' 18' and 20'
Peg-tooth Harrows	9 Trailing	6' to 42'
315 Packer-Mulcher	Trailing Trailing Wing	12'4" to 15' 20' or 25'
468 Seedbed Conditioner	Trailing Trailing Wing	12'6" or 19' 19' or 25'6"





NEW  
5500



NEW  
5000



NEW  
4500



# CHISEL PLOWS AND FIELD CULTIVATORS

From shallow penetration to deep subsoiling, the IH line provides the soil-working action you need for your conditions and tillage practices.

## NEW! 5500 Chisel Plow

Popular for primary tillage, light subsoiling and secondary tillage. Choice of rigid or cushion shanks—regular (25-inch) or high-clearance (32-inch). Mounted, trailing, high-clearance trailing or single and double-wing types. Wing-types are equipped with walking-type bogie axles for smooth work over uneven fields. Master and slave cylinder design eliminates cables, pulleys and rockshafts. Works down to 12 inches deep.

## NEW! 6000 Conser-Til Plow

The International Conser-Til plow has a massive heavy-duty frame and extra-large clearance around the wheels for fast plug-free work in heavy trash. Works right behind the combine. Big colters give you slicing action, while twisted shovels work deep to mix soil and trash for effective conservation tillage. Spring-loaded disk gang assembly with 20-inch colters. Choice of 26-inch or 33-inch shanks.

## NEW! 5000 Vibra® Chisels

Vibrating shanks shatter soil as they penetrate 4 to 8 inches deep. Results are highly effective for heavy-duty field cultivating or shallow chiseling. Mounted, trailing and trailing wing-types.

## NEW! 4500 Vibra Shank® Field Cultivators

Exclusive IH-design spring-loaded shanks penetrate from 3 to 7 inches deep while vibrating rapidly to tear out weeds, shatter clods and mix soil with trash. Designed with plenty of clearance to help prevent

## 10 Subsoil Chisel

Equipped with 33-inch rigid shanks, for work with tractors up to 125 HP. Penetrates to a depth of 20 inches.

## 14 Subsoil Chisels

This rugged heavy-duty deep tillage tool features parabolic curved shanks. Available in two frame sizes—one a massive 6 x 8-inch "V" frame equipped with 9 shanks (reducible to 7 or 5 shanks) ... and a 6 x 6-inch frame, 5-shank model (reducible to 3 or 4-shank sizes, or expandable to 7 shanks). The heavier frame 9-shank model is available with either rigid or automatic recovery shanks, the 6 x 6-inch frame 5-shank model with automatic recovery shanks only.

Implement	Type	Sizes
5500 Chisel Plows	Mounted 2-rank	7' to 15'
	Mounted 3-rank	7' to 17'
	Trailing	7' to 17'
	Hi-clear Trailing	10' to 17'
	Single Wing Double Wing	16' to 22' 25' to 39'
6000 Conser-Til Chisel	Trailing	10' and 13'
5000 Vibra Chisel	Mounted	9' to 15'9"
	Trailing Trailing Wing	13'6" to 20' 17' to 41'6"
4500 Vibra Shank Cultivators	Mounted	8'6" to 21'6"
	Trailing	8'6" to 21'6"
	Trailing Wing	22'6" to 44'6"
14 Subsoil Chisel	9-shank Mounted	15'4"
	5-shank Mounted	6'8" to 10'



NEW  
6000











# CROP PRODUCTION EQUIPMENT

Planting is one of your most critical farming operations. Unless you get your crops planted properly—and on time—you don't stand a chance of harvesting the highest possible bushel from every acre.

And to meet your needs, and the needs of other farmers all across the country, International Harvester devotes a lot of attention to providing a complete line of crop production equipment... a *complete* line so that every individual can have equipment that is practically tailor-made for his particular operation. It's equipment that's engineered to make the very most of those precious few days that are ideal for planting... equipment that is fast and reliable... but above all, it's equipment that is very accurate so that you'll stand a better chance of getting good stands year in and year out.

Here's your lineup of IH crop production equipment for 1980:

**Cyclo® planters**—the world's first air-powered planters continue to set the standard for productivity, reliability, simplicity—and accuracy. Available in several types, and in 4 to 16-row sizes.

**Plate-type planters**—conventional planters and planter units are extremely accurate for specialty-crop work. Wide choice of types, sizes, and row spacings.

**Grain drills**—a complete new line for 1980 includes end-wheel, press, and two shovel press types plus special models for specific crops and soil conditions. Multiple hitch hookups, endwise transport systems, and monitoring systems are available.

**Cultivators**—rear and front-mounted models in sizes up to 16 rows. Variety of tooling to match various crops and soil conditions.

**Rotary hoes**—for speedy, low-cost crust breaking and early weed control. Mounted models in widths from 4 to 8 rows.



# CYCLO® PLANTERS

**Field proven, productive International air-powered Cyclo planters are unmatched for simplicity, accuracy, and reliability. Available in a wide choice of types and sizes to match your acreage and your growing practices.**

Many new features have been added to Cyclo planters through the years to make them more productive than ever before. With a Cyclo planter, you have only one 11-bushel seed hopper to fill (two on 12 and 16-row models), which reduces refill stops, increases your planting time. And with the Cyclo system, you don't have to buy sized seeds, change plates or remove individual row hoppers to clean out seed. You change only one seed drum to go from one crop to another. Other planters require emptying seed from individual row hoppers, and replacement of each individual row seed metering mechanism. The Cyclo planter also features the exclusive IH "furrow-firming" point that introduces moisture to the seed zone through capillary action for fast germination and uniform emergence.

## **Monitors Let You Know What's Going On**

For peace of mind, all Cyclo planters are either standard or optionally equipped with electronic monitors. Dial-A-Rate, the most sophisticated monitor system, lets you actually dial in the population rate that you want—allows you to change population rate on-the-go simply by turning a dial on the tractor-mounted console. Other monitors include a seed-flow type that keeps a check on seed flow to the ground in each row, plus the Cyclomitor II that gives you a constant digital readout of seed flow, plus other vital functions.

## **400 Cyclo Trailing Planters**

Pull-behind drill type with choice of double-disk or runner openers. Alternating markers are hydraulically operated. Optional equipment includes: Dial-A-Rate; depth gauge wheels; big capacity fertilizer units and quick-attach granular chemical applicators. The 8-row models have endwise transport as standard.

## **500 Cyclo Tool Bar Planters**

Mounted or semi-mounted, depending on size, to give you close-coupled convenience. Ideal for narrow headlands, odd shaped fields, fast transport. The 12-row model is equipped with two Cyclo modules. Double disk or runner openers with hydraulically operated alternating markers. Depth gauge wheels, granular chemical applicators optional.

## **500 Cyclo Hydraulic Fold Planter**

Here's everything you want for big-capacity planting. Close coupled tool bar mounting. Pin adjusted gauge wheels (and assist wheels on 12-row) for planting on beds, on the flat or in the furrow. Hydraulically folded wings make transport simple and fast. 8-row wide and 12-row models flex to follow ground contours... have exclusive 2-stage cylinders that automatically raise the wings 5° when the assist wheels raise the planter for turns. Hydraulic markers are electrically controlled from the tractor cab. Granular chemical applicators optional.

## **500 Cyclo Flex-Frame Planters**

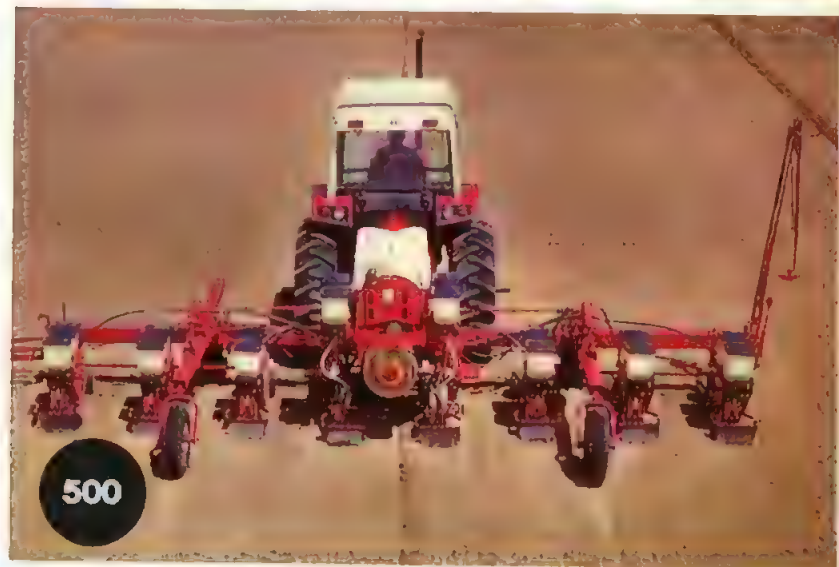
Biggest Cyclo in the line, available in 12-row wide or 16-row narrow sizes. It has two Cyclo modules and flexes in the middle to give you uniform planting depth in rolling and uneven ground. Double disk or runner openers, electrically controlled markers and endwise transport.

## **92 Cyclo Lister Planters**

Equipped with rotary moldboards, turn-buckle adjusted gauge wheels and hydraulically operated markers. Endwise transport standard on 8-row wide. Dry fertilizer and granular chemical applicators optional.

Model	Number of Rows	Row Spacing
400 Trailing	4	28" to 40"
	6	36", 38" or 28", 30"
	8	36", 38" or 30"
500 Tool Bar	8	36" to 40" or 28", 30"
	12	28", 30"
500 Hydraulic Fold	6 or 8	36" to 40"
	8 or 12	28", 30"
500 Flex-Frame	12	36" to 40"
	16	28", 30"
92 Lister	4, 6 or 8	36" to 40"
	6 or 8	30"











# PLATE PLANTERS/MIDDLEBUSTERS/TOOLBARS

International conventional plate planters and equipment are available in a variety of types and sizes to match your cropping practices. See your IH dealer for his complete selection.

## 56 Trailing Planter

Provides accurate corn and cotton planting because each unit can float independently to follow ground contours. Centralized drive won't slip, means positive planting rates and fertilizer application. Exclusive International "furrow-firming point" firms the soil in the bottom of the furrow for better germination. Available as a drill with runner or double disk openers in 2, 4 or 6-row sizes, or as a hilldrop with high-speed rotary valve and runner openers in a 4-row model. Dry fertilizer and granular chemical applicators available.

## 87 Rear-mounted Blackland Planter

Plants uniformly and precisely, even on imperfect beds because it has centralized, positive drive, independent planting units and a frame that supports the seed hoppers, and also acts as a gauge. Blackland sweeps and shovel openers. Planting equipment for cotton, corn and sorghum, plus rotary cone for peanuts. 75-lb. seed hoppers.

## 300 Planter

This husky planter is available with either 295 or 386 planter units. The 5 x 7-inch tubular steel main frame gives it big-acreage strength without excessive weight. 14-inch carrying wheels adjust four ways for planting on beds or flatland. Endwise transport standard on the 8-row wide model. Category II or III 3-point or 2-point Fast-Hitch.

## 295 Planter Unit

The 295 is a drill type, all-seed specialist for mounting on tool bars, or as regular equipment on the 300 planter. Fully enclosed drive chains let you change planting rates by changing sprockets. Parallel linkage with 13½-inch double disk openers. Extra-strong wheel frames support optional granular chemical applicators.

## 386 Planter Unit

Get 386 planter units in drill or rotary valve hill-drop types for tool bar mounting, or as regular equipment on the 300 planter. Husky parallel linkage and extra-strong frames mean straight-line planting in rough, uneven fields. Has your choice of runner or double disk openers and takes cotton or corn bottoms as well as the rotary cone for peanuts and other large seeds. Granular chemical applicators optional. With 75-lb. hoppers.

## 92 Flexible Middlebuster

Terraces or rolling fields are no problem for this flexible middlebuster. Individual parallel linkage permits bottoms to move up and down with contours to maintain uniform working depth. Rugged tubular steel main frame and turnbuckle adjusted carrying wheels. Endwise transport attachment for 6 through 9-row sizes. Category II or III 3-point or 2-point Fast-Hitch.

## 82 Middlebuster

Rugged 6 x 8-inch rectangular steel main frames can accommodate a choice of equipment to work as wide as 9 rows. Turnbuckle adjusted, front-mounted gauge wheels provide wide range of working depth. The 82 may be equipped with either regular or Cyclo planting equipment for 6 or 8 wide rows. Endwise transport available for 6 through 9-row sizes. Category II or III 3-point or 2-point Fast-Hitch.

## Cyclo Planting Equipment for 82 Middlebuster

Includes 11-bushel centralized hopper, choice of stainless steel seed drums, drum drive, runner openers with pin-break shovel coverers. Electronic monitor optional. For 6 or 8-row, 36 to 40 inches wide.

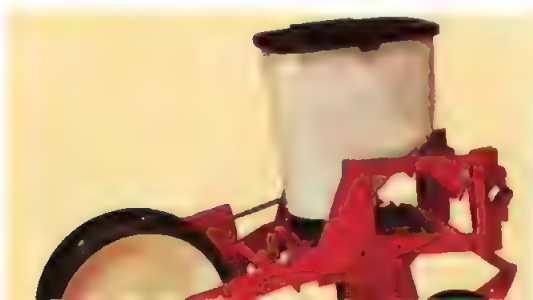
## 25A and 26 Tool Bar Carriers

Available for attaching single 2¼ or 2½-inch square tool bars of desired lengths. The 25A is for Category I 3-point hitch, the 26 carrier is for Category II hitch.

## 28 Tool Bar Carrier

For attaching double 2¼ or 2½-inch solid tool bars. Includes a Category II 3-point hitch and is for tractors up to 100 hp.

Model	Number of Rows	Row Spacing
56 Trailing Planter	2 and 4 6	28" to 40" 28", 30"
87 Blackland Planter	4 and 6	38" to 40"
300 Planter	6 and 8 8	36" to 40" 28", 30"
295 Planter Unit		14" and up
386 Planter Unit		20" and up
92 Flexible Middlebuster	4 thru 9	36" to 40"
82 Middlebuster	5 thru 9	36" to 40"





# GRAIN DRILLS

The new line of International grain drills brings you better-than-ever seeding performance. New design includes features and refinements that result in longer life and simplified service.

## NEW! 5100 End-Wheel Drill

IH fluted roll feed cups with new tapered metering edge are unequalled in the varieties and seed sizes they will sow accurately. Plain hoppers hold 2.4 bushels per foot, and combination hoppers offer two grain/fertilizer ratios. Attachments include drag chains, seed-firming wheels, gang press wheels, or the new exclusive depth-press wheel for accurate depth control. New magnetic feed cup covers allow fast, easy conversion from solid to row crop seeding.

## NEW! 5100 Soybean Special Drill

"Soybean special" package converts 5100 drills into time-saving machines for planting soybeans or peas in narrow rows—a yield-boosting practice that is becoming increasingly popular.

## NEW! 6200 Press Drill

Big-capacity, with 2.9 bushel per foot plain grain hoppers, or combination hoppers for grain and fertilizer. New features include tapered metering edge of feed cup bottom for more even seed flow... sealed, regreasable press wheel bearings... central lubrication of shafts and sprockets... hinged footboards... and more.

## NEW! 7100 Shovel Press Drill

Choose big capacity 2.4 bushels-per-foot plain grain hoppers, or combination hoppers with two grain/fertilizer ratios. Eagle beak shovels penetrate through trash as deep as 8 inches, and equal-length drawbars maintain uniform working depths. Openers are staggered 22 inches apart for better trash flow, lift to 6-inch ground clearance for transport. Sealed regreasable bearings for press wheels, and bank lubrication for drive bearings mean long-life.

## NEW! 7100 Hillside Shovel Press Drill

Straight ranks of 3-inch shovels with deflector boots up front make this special model an exceptionally accurate seeder. Split press wheels pack soil around seed for fast germination, leave ridges that guard against wind and water erosion.

## NEW! 7200 Stubble Mulch Press Drill

Built especially for drilling spring crops in heavy trash. Shovel openers are standard, with eagle beak openers available. Each of the three opener ranks are 19 inches apart, giving excellent clearance for trash. Big 2.9 bushels per foot plain hopper, or combination hopper with four grain-fertilizer ratios. New regreasable press wheel bearings and bank lubrication of drives for long life and minimum maintenance.

## Press Drill Multiple Hook-ups

2, 3 and 4-drill hitches for 6200, 7100 and 7200 drills provide seeding widths up to 56 feet. An endwise transport attachment permits easy movement from field to field. Transport width is only 14 feet.

## Grain Drill Seed Monitors

Monitor constantly checks seed flow, warns you of any malfunctions at the openers. System is compatible with IH planter monitors, so you can use common consoles. Single and multiple-drill types optional.

Model	Sizes
6200 Press	14 x 6, 16 x 6, 20 x 6, 16 x 8, 24 x 6, 20 x 7, 24 x 7, 28 x 6
5100 End Wheel	13 x 7, 16 x 7, 20 x 6, 18 x 7, 16 x 8, 24 x 6, 21 x 7, 20 x 8, 16 x 10
7100 Shovel Press	12 x 10, 10 x 12, 18 x 8, 14 x 10, 10 x 14, 16 x 10, 14 x 12
7100 Hillside	8 x 18
7200 Stubble Mulch	24 x 7







# ROTARY HOES

International rotary hoes give you effective early cultivation at high speed, save expensive fuel, too. Mounted models cover up to 8 wide rows.

## Hoe Wheels

International hoe wheel design makes the difference that means effective cultivation and long operating life. Big 21-inch wheels have an offset tooth arrangement that aggressively works the soil every 2½ inches. Hubs are extra-wide to stabilize wheels and prevent wobble. Hoe teeth are exclusively designed to give quick, positive penetration. Chisel sharp points enter the ground in the vertical position for maximum shoveling action and pulverization. The teeth wear-in on the backside for a self-sharpening action to maintain like-new performance.

## 300 Rear-mounted Hoes

These easy-to-handle big capacity mounted hoes give you top weeding action and fast transport. Four rugged main frame tool bar lengths and combinations of 54 and 48-inch sections provide 21 different working widths up to 8 wide rows. Each hoe section is carried independently for contour following flexibility. Vertically adjustable gauge wheels and endwise transport are standard on hoes 248 inches and larger. Category II 3-point or 2-point Fast Hitch.





# CULTIVATORS

**International cultivators knock out weeds at high speeds. All have rugged, high-strength main frames, parallel link gangs and precision bearing gauge wheels for dependable work, season after season. Your choice of tooling and models in the sizes you need for high production work.**

## **133 Rear-mounted Vibra Shank® or Vibra® Tine Cultivator**

Simple design, rugged construction and convenient hydraulically folded wings on large models make the 133 ideal for high-speed work. Choose either Vibra tine or Vibra Shank tooling for deep stirring, vibrating action that takes out weeds, shatters clods and leaves the soil smooth and level. Parallel link design holds gangs row-straight yet permits flexing to follow contours. Non-folding models, 4-row wide through 12-row narrow, can be equipped with endwise transport. Hydraulic fold, flexible and non-flexible models are available in 6-row wide through 16-row narrow sizes.

## **85 Front-mounted Cultivator**

This high-production cultivator gives you great crop clearance and closely follows rows, even in rolling ground. Wing sections flex up and down over contours while parallel-link gangs float independently to work at even depth. High-strength, tubular steel frames are built to clear tractors with either tricycle front wheels or wide front axles with big tires. Swing frame allows fast, drive-in mounting and quick removal. Frame folds forward for narrow transport and storage.

## **78 Front-mounted Cultivator**

This rugged cultivator has plenty of clearance for mounting over big 11:00-16 tires and wide front axles. Bridge-type, heavy-duty frame and row-holding parallel-link gangs with depth maintaining gauge wheels. Fast, easy-mounting—just three bolts on each side secure it to the tractor.

## **144 Cultivator**

One-row cultivator that's designed for fast clean cultivation of corn, cotton, potatoes and other crops spaced 40 to 68 inches apart. Available with a wide selection of tooling. Mounts quickly and easily on International Cub® and 140 tractors.

## **200 Cultivator**

Low-cost cultivator with rigid gangs and row holding rolling guide fin. Rugged toolbar frame also handles planter and fertilizer units for real economy. For tractors with Category I 3-point hitch.

## **170 Lister Cultivator**

Built for clean work and dependable operation, the 170 has individual ground working units with two disks, two 4-inch sweeps and a tent-type shield. Steel guide wheels and disks with sealed, precision ball bearings. Precision adjusted sweep depth.

Model	Number of Rows	Row Spacings
85 Front Mounted	6 and 8	36" to 40"
78 Front Mounted	4	36" to 40"
133 Rear Mounted	4	30" to 40"
	6 and 8	24" to 40"
	12	28" to 40"
	16	28", 30"
144 for Cub & 140	1	40" to 68"
200 Rear Mounted	2	26" to 42"
170 Lister	6	36" to 40" and 30" 30"
	8	



## **Sweeps, Shovels, Spikes, or Chisels**

Lower costs through longer wear... that's the promise we make when we supply you with genuine IH sweeps, shovels, spikes, chisels, or other cultivator tools. And you can be sure that promise will be delivered because International Harvester is the only company that controls the quality of its ground working tools all the way—from the steel mill to the factory. We have a complete selection of all the types and sizes used in your locality.





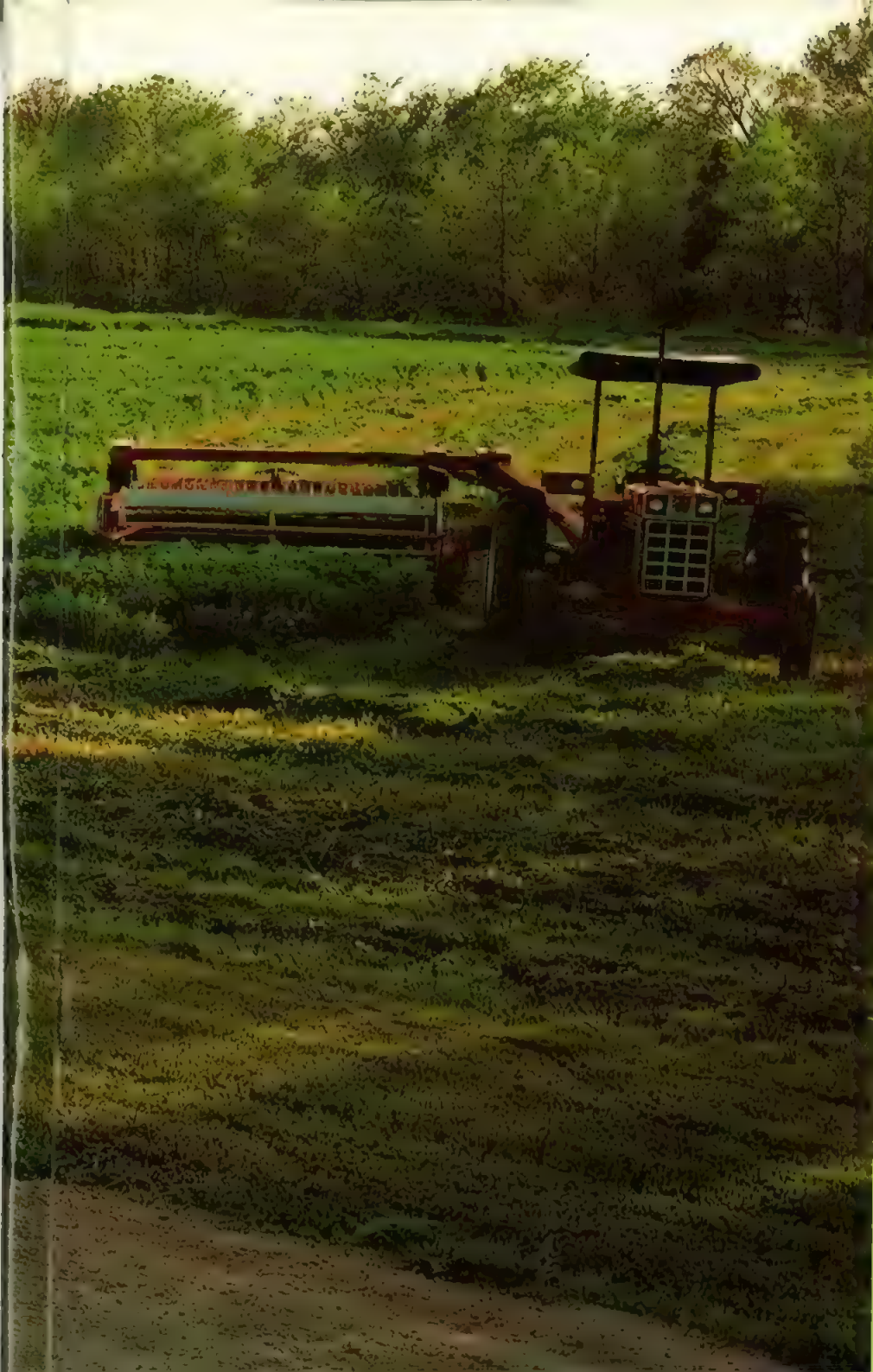




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# HAY AND FORAGE EQUIPMENT

Getting the maximum feed value from your hay and forage crops is a major key to realizing the most net profit from your livestock or dairy operation. Proper timing of your harvesting operations and being able to move fast are essential to getting your crops out of the field at their top nutritional value.

That's why you owe it to yourself to get acquainted with the International line-up of hay and forage equipment—before you purchase any other brand. The entire IH line is capacity-matched to get your crops "processed" and out of the field and into storage as quickly as possible—and to save you labor as well. The IH line is a complete line, so whether you need one piece of equipment or an entire system, you'll find exactly what you need by making one stop—at your IH dealer.

**Windrowers**—Two highly productive models available with a choice of three different headers to match your particular operation and needs.

**Mowers, rake, mower-conditioners**—Two sickle bar mowers in 7 and 9-foot sizes, two new rotary disk mowers, a 9-foot rake with either hydraulic or ground-wheel drive, plus the industry's outstanding mower-conditioner in 7 and 9-foot sizes.

**Balers**—Choose from four conventional rectangular balers (three twine-tie and one wire-tie) with capacities up to 19 tons per hour plus the bigroll baler that makes round bales six feet in diameter, weighing up to 1500 pounds.

**Forage harvesters**—Two proven harvesters with crop units for windrows or row crops, and a new ear corn hopper attachment. A flail chopper, which is ideal for green chopping, is also available.

**Forage-handling equipment**—Two new forage feeders move crops quickly from the field to silo or from the silo to the livestock. Also, a forage blower with capacity up to 100 tons per hour.



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## MOWER CONDITIONERS

### 1190 Mower Conditioner

Here's the mower conditioner that offers a combination of advantages unequaled by any other make. From cutting and conditioning to windrowing or swathing—you get the kind of job that puts extra quality in hay crops to maximize profits.

With its advanced design, the 1190 both crushes and crimps to speed drying and preserve hay quality. Rugged cutterbar with enclosed oil-bath knife drive and ball-joint knife head give you fast, clean cutting in heaviest crops.

Precision intermeshing conditioning rolls are designed with wide, shallow lugs that crush and crimp thoroughly, yet gently, for fast dry-down with minimum leaf loss. Rubber rolls are precision-machined for accuracy, and are cord-reinforced to form a wear-resistant and scuff-free surface. Because the rolls automatically separate when the header is raised, you can clear slugs without leaving the tractor seat.

Three-point, cross-linkage suspension gives the header float and lift characteristics that mean unmatched crop-handling ability. A conveniently located lever lets you easily adjust the width of the swath or windrow. And for simple maintenance, drives are conveniently accessible. No tools are required to remove and replace the reel belt drive. The 1190 mower-conditioner is available in two sizes, 7 and 9 feet.





# MOWERS AND RAKES

## NEW! 3104 and 3106 Rotary Disk Mowers

Designed for top performance in adverse field and crop conditions . . . give you plug-free mowing at speeds up to 10 MPH. Mower disks, spinning at 3,000 RPM, provide trouble-free cutting of heavy, wet or down-and-tangled crops. High-speed counter-rotation of the disks provides a self-cleaning action that prevents clogging of the cutterbar. Two free-swinging, reversible knives are mounted on each disk. 540 PTO drive power is transmitted by four V-belts through a bevel-gear gear box to the precision-cut spur gears in the cutterbar. All gears run in oil for long-life. Cutterbar may be hydraulically angled 45° above or below horizontal to cut along ditches and embankments, and it has automatic break-away protection. Category I and II 3-point hitch. Four and 6-disk models available.

## Balanced Head Mowers

International mowers glide through crops at speeds as high as 8 MPH. Wrist-action balanced head drive produces fast, short, powerful strokes for superior cutting in any crop. Controlled vibration and 2,000 strokes per minute knife speed mean fast, plug-free mowing. Cutterbar with automatic and adjustable break-away protection. Choice of 1100 trailing or 1300 rear-mounted models.

## 35 Rake

The International 35 rake with five parallel bars and 95 teeth gently rakes a 9-foot swath into a loose, fast-drying windrow. Teeth are triple-grouped for a combing action that gets all the crop. Ground driven from both wheels for smooth positive raking in rough field conditions and while turning. Also available with hydraulic drive.



Model	Size
1190 Mower Conditioner	7' and 9'
3104 Rotary Disk Mower	5'3"
3106 Rotary Disk Mower	7'10"
1300 Mounted Mower	7' and 9'



# RECTANGULAR BALERS

**International 400 Series conventional balers deliver proven performance for timely haying, season after season. Available in three models, including the new economy 425, there's one just right for your operation.**

From pickup to bale chute, rugged International balers are made to handle your hay crops with leaf-saving gentleness to help preserve maximum palatability and feed value. They pack hay firmly into tight, uniform, well-shaped bales that are easy to handle for storing or shipping—securely tied bales you can count on to help keep hay in top condition until you're ready to feed.

The big capacity 445 is available in both twine-tie and wire models, and the 435 and 425 in twine models only. Whichever you choose, you can count on highly reliable tying performance.

All models feature continuous-running floating auger feed that keeps material moving smoothly and evenly to the packer fingers which sweep it gently through the large feed opening into the bale chamber. Straight-line power from the straddle-mounted crank to the all-welded plunger helps keep hay knives in precise alignment. Extra strong power train is gear-driven all the way back to the knotters—provides positive power for precision timing of packer fingers, needles and knotters.

## **NEW! 425 Twine Baler**

The 425 is an economy baler with many of the same proven performance features found on other International 400 Series balers. It does an excellent job in most crops and conditions, and is an ideal choice for farmers with average, moderate-capacity baling requirements. Up to 15 tons per hour baling capacity.

## **435 Twine Baler**

Gives you top baling performance in most hay crops. Equipped with 4-bar 65-inch pickup with 80 teeth. Manual top and bottom bale tension adjustment. Up to 17 tons per hour baling capacity.

## **445 Twine Baler**

This custom-type model has a large diameter auger, a 6-bar 65-inch pickup with 120 teeth, plus a gauge wheel. Built for exceptional baling in hay and hard-to-bale crops like cane, sudax and millet. Up to 19 tons per hour baling capacity.

## **445 Wire Baler**

Similar to model 445 twine baler, but with the International wire-tying system for strong, 80-lb. bales. Up to 19 tons per hour baling capacity.

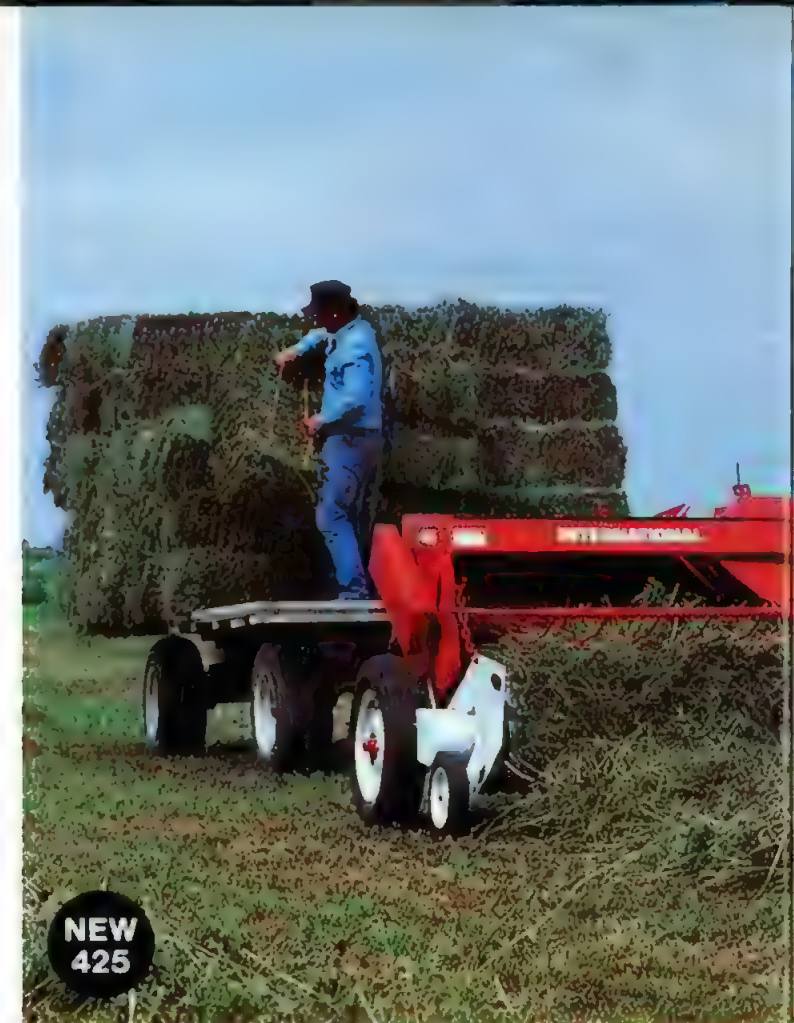
## **IH Quality Twine**

Made to exacting IH specifications, IH twine is designed to get the best possible performance from your baler and keep you moving when time counts.

Plastic twine lets you get going without making major knotter adjustments. It has the highest knot strength and is ideal for outside storage because it won't absorb water.

Sisal twine provides excellent freedom from knot and miss problems. Made in the U.S., it features uniform thickness throughout, without the "bunches and swells" found in many bargain twines. It's treated with rodent repellents and rot inhibitors for long life.

We also carry Harvester Special Twine, the most uniform imported sisal twine on the market. It has high knot strength, and adapts to any baler.



**NEW  
425**



**435**



# BIGROLL BALER

**Rolling hay into big 1500 lb. weather-tight round bales is a one-man operation with an International Bigroll baler. The bales are firmly wrapped for easy handling and convenient storage.**

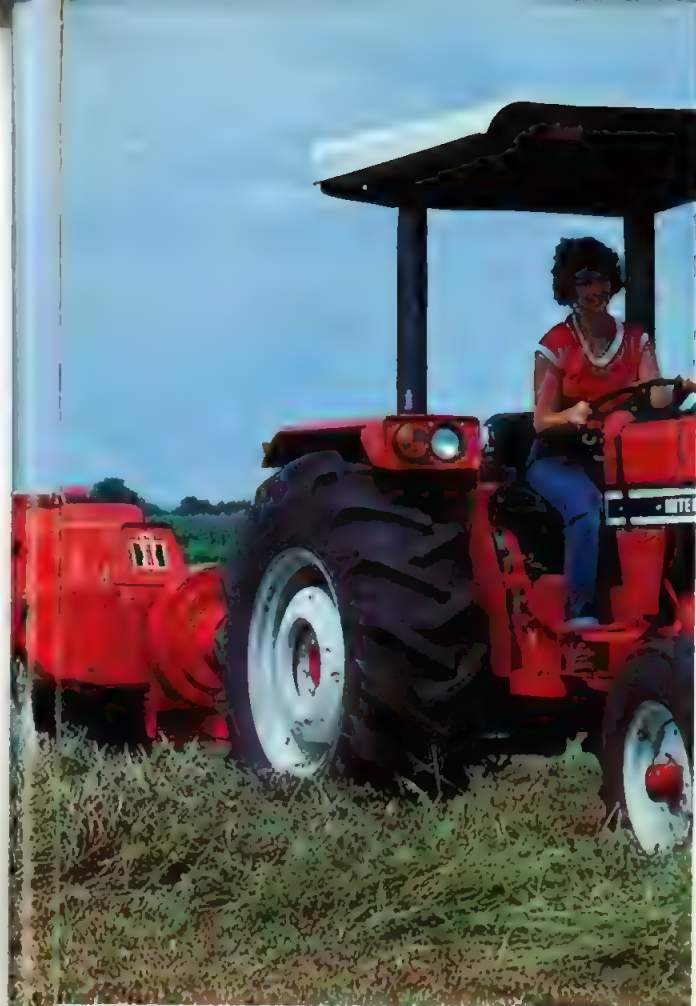
Take off to the field with an IH 2400 Bigroll baler and you have one-man hay handling that is second to none in time and labor savings. The 2400 is simple, fast and dependable for the best in big round bales. Its rugged design means long-life, high performance and low maintenance.

You get solid, 6-foot diameter bales holding up to 1,500 pounds of hay. IH-made bales preserve hay quality longer because the cores are loose to permit air circulation,

while the tightly wrapped outer surfaces shed water and resist wind.

Features that make the 2400 baler an outstanding performer: Exclusive vertical hitch adjustment that maintains level baler operation for better formed bales; 78-inch wide pickup with closely spaced tines that sweep the field clean; an exclusive tracking system that keeps the lower belt in true alignment for longer life; and rubberized upper belts that are individually replaceable.

You get fast, convenient operation, too. After bales are formed, they are power ejected behind the baler so you can immediately lower the gate and go.





# SELF-PROPELLED WINDROWERS

**International 4000 and 5000 windrowers are big-acreage performers that turn out fluffy, fast drying windrows. Both models are standard-equipped with hydrostatic, all-speed drive, and hydraulic, on-the-go header control for unmatched reliability.**

International windrowers lead the field in high-speed performance, operating comfort, convenient control systems, easy servicing and maintenance. Their long wheelbase, 4-wheel stance and rear-located engine give you sure-footed balance in rolling or rough terrain. Low profile headers adjust hydraulically on the go to match crop conditions. And one lever gives you hydrostatic, infinitely variable speed control.

Long-life is assured by features like all-welded chassis and frame, oil bath precision knife drive, no-belt power train, worm and trunnion steering and powerful engines. Service check points are easy to reach. With no belts in the drive train, and one to the header, maintenance is minimal.

Some important new features for 1980:

- NEW—foot-operated drum-type combination service and parking brake.
- NEW—wide slip-resistant mounting and refueling steps for added safety and convenience.
- NEW—electric fuel gauge—a standard convenience feature.
- NEW—repositioned throttle lever—more convenient, easy to reach.
- NEW—fabric-covered seat with higher back rest in cab-equipped models—more comfortable.
- NEW—258 cu. in. gasoline engine for the 4000.

## **4000 Windrower**

The 4000 has hydrostatic drive and is powered by a 64 horsepower, 6-cylinder

Basic unit is available with a chassis-mounted hay conditioner for use with draper and dual auger headers.

## **5000 Windrower**

The 5000 windrower is powered by a 68 horsepower 4-cylinder diesel engine, and is equipped with either single-speed or 2-speed hydrostatic drive. Standard equipment includes pressurized cab, steering wheel with tilt console, deluxe operator's seat with swing-away arm rests, and a complete lighting system with turn signals. Air conditioning is optional. The basic unit can be equipped with a chassis-mounted hay conditioner for use with draper and dual auger headers.

## **Three types of headers available**

Either the 4000 or 5000 can be equipped with your choice of interchangeable header types . . . draper . . . single closed center overshot auger . . . or an open center dual auger. Draper headers are available in sizes up to 24½ feet with 5-bat plain reels for grain . . . or with pickup reels in sizes up to 16½ feet for hay. The single overshot auger header is for hay and cane crops, and comes with a low-profile pickup reel and built-in hay conditioner as standard equipment. The open-center dual auger header is for hay and specialty crops. It can be equipped with a pickup reel for hay/grain, or a heavy-duty pickup reel for pea/specialty crops.

Header	Sizes
Draper type	12½', 14½', 16½', 19½', 24½'
Single auger type	12', 14'
Dual auger type	12', 14'









# FORAGE HARVESTING EQUIPMENT

Efficient forage handling depends upon reliable, easy-to-operate equipment. Whether you feed out cattle or have a dairy operation, you can select International forage harvesting and forage handling equipment to help you make and store better feeds, and do it more profitably.

## 720 and 830 Forage Harvesters

Capacity, performance, easy-operation—that's what you get with International forage harvesters. Both the 720 and the 830 are available with fast-attach, drive-in crop units for picking up windrows or for direct harvesting of standing row crops.

Some of the reasons why 720 and 830 forage harvesters add up to more profitable performance: High helix, 12-knife cutterhead gives you more than 10,000 cuts per minute in lengths from  $\frac{1}{8}$  to  $\frac{5}{8}$  inches. Electric remote controls (standard equipment) give you fingertip command from the tractor cab—just touch a switch to change spout direction, control angle of discharge deflector, or activate, reverse or inch feed elements for non-plug handling of heavy crops. Aggressive feed rolls adjust automatically to crop volume. Hydra-Sharp built-in hydraulic sharpening system and power-saving equalizer hitch are standard equipment. Quick-Attach crop units—a 2-row wide/narrow corn head or a 6-ft. hay pickup—fit both models. A 3-row narrow corn head is for the 830 only.

## NEW! Ear Corn Hopper Attachment

Enables you to stationary-grind ear corn for feed or storage. Mounts simply on 720 or 830 harvesters in place of the crop units. Electric on-off switch controls the feeding system and prevents accidental starts. A rope control on three sides of the hopper also may be pulled to stop feed units instantly.

## 10 Flail Chopper

This versatile high-speed International chopper gives you top performance for a wide range of chopping jobs. Its exclusive non-plug design keeps it working even in wet fields.

Double cutting, reversible L-shape knives on the high speed rotor chop finer and faster than most other choppers. Blower has plenty of power to propel material to the farthest corner of the wagon box. Cutting height adjusted hydraulically from the tractor.

## NEW! 120 & 130 Forage Feeders

Self-unloading power forage feeders are key links in an efficient forage handling system. Both models have wood frames for flexibility, plus strong, roll-formed steel sides for long life. Smooth, 2-speed roller chain reduction drives. Big 16-inch conveyor augers unload materials fast. Safety-trip clutch, operated by a trip bar or a cable running around the entire box, immediately shuts off auger, beaters and apron. The 120 has 4 or 6-foot sides, offers up to 6 tons capacity. The 130 has 6-foot sides, and offers up to 8 tons capacity.

## 56 Forage Blower

Fills silos at a rate up to 100 tons of corn silage per hour, or up to 70 tons of haylage per hour, yet uses less power to do it. The reason? The patented IH 45-degree feeding system permits materials to move directly into the blower. Less resistance to material movement means greater capacity with less power. Big 56-inch diameter rotor with adjustable paddles is easily accessible for servicing. Heavy-duty PTO is standard.

Model	Size
720 Forage Harvester	up to 130 hp tractors with 1000 RPM PTO up to 90 hp tractors with 540 RPM PTO
830 Forage Harvester	up to 175 hp tractors with 1000 RPM PTO
10 Flail Chopper	for 50 hp tractors and up
120 Forage Feeder	7' x 14' and 7' x 16'
130 Forage Feeder	7' x 15' and 7' x 18'
56 Blower	up to 100 tons per hour







10



NEW  
120











# HARVESTING EQUIPMENT

Every year, you have money invested in land, labor, equipment, seed, and chemicals. But you don't have a single dollar return on your investment until your crops are safely out of the field and in storage. This is why harvesting is such a critical operation in any farming enterprise. Harvesting is the operation that, more than any other, determines what your bottom line is going to be.

This is why International Harvester continues to put so much emphasis on providing you with reliable, big capacity, highly efficient combines and cotton harvesting equipment. Our dedication to providing you with the "best" is the reason you can rely on getting the "most" from your investments.

Axial-Flow combines have emerged as the standard by which all other combines are measured. The revolutionary Axial-Flow threshing/separating concept literally allows you to harvest more of what you grow. Axial-Flow provides bigger capacity to get your valuable crops out of the field sooner. And, it provides gentler threshing action to reduce grain crackage and dockage so that your crops will bring the top price at the elevator. And for 1980, the Axial-Flow principle is incorporated into every combine in the IH line.

For cotton growers, International Harvester provides the finest, most efficient equipment available—a 2-row picker that picks closer to the ground than competitive pickers, and a new self-propelled harvester that harvests 2, 3, or 4 rows.

**Axial-Flow combines**—Four basic sizes . . . new 1420 with 125 bu. grain tank . . . 1440 with 145 bu. grain tank . . . 1460 with 180 bu. grain tank . . . and the 1480 with 208 bu. grain tank—plus the 1460 and 1480 rice combines . . . new 1482 pull-type . . . and the new 1470 hillside. Headers up to 30 feet . . . corn heads up to 8-row wide . . . belt pickups and draper platforms, depending on model.

**Cotton harvesters**—a self-propelled 2-row picker and a new harvester that's available as a 2, 3, or 4-row to match your acreage and planting pattern today *and* tomorrow.

**Windrower**—A pull-type that's available in 15, 18, 21, and 25-foot sizes with a 3-foot extension available for the three smaller sizes.



# AXIAL-FLOW COMBINES

## Here's why Axial-Flow combines harvest more of what you grow

**Multiple threshing action.** On conventional combines, the grain passes through the cylinder and concave only once. But with Axial-Flow, grain is threshed several times as it spirals around the full length of the big rotor.

The Axial-Flow design eliminates straw walkers—the number one source of grain loss in conventional combines. Instead, a system of separating grates and centrifugal force recover grain that straw walkers miss. Farmers who've compared an International Axial-Flow in the same field with a conventional combine report as much as 5% more grain saved with Axial-Flow.

**Higher quality grain.** Conventional combines get only "one shot" at the grain, so the threshing action must be hard and abrasive to separate an acceptable amount of grain. With the repeated threshing of an Axial-Flow, threshing action is more gentle. This means less crackage and dockage, particularly in corn and soybeans. Another advantage is that the Axial-Flow will successfully combine crops that are too moist for conventional combines.

**Faster combining.** When you need to move fast, the more efficient Axial-Flow system lets you increase speed—and still harvest more grain than a conventional combine. The large single rotor prevents bottlenecks up front, and the 108-inch threshing length keeps the grain flowing through rapidly inside.

**Less down-time, too.** Like most good ideas, the Axial-Flow principle is simple. The single rotor, for example, replaces 16 moving parts—including the straw walkers. And single rotor design means only one gear box. Drives have been simplified and made easier to service. Most belts have spring-loaded idlers, so adjustments are

system continuously checks 21 vital operating functions.

**Axial-Flow combines give you more comfort, convenience and dependable operation**

**The Control Center** is the most advanced of any combine. A full 58 inches wide, it gives you more "move around" room. Exceptionally quiet, too, because it is well padded and doors and windows are tight fitting. Isomounts, between the cab and the chassis, soak up vibration and noise. The deep cushion seat adjusts fully for your weight and legs to put you in comfortable reach of all controls. Heater, defroster and optional air conditioner work in combination with an air pressurizer for year-around comfort.

**Deep-pocket windshield** and full length side windows of tinted glass offer unrestricted visibility. The windshield extends below deck level, so you see all the action right down to the cutterbar. Four cab mounted lamps throw plenty of light on night operations.

**Sophisticated controls** put you in complete command for better, faster harvesting. Conventional levers are replaced by switches, knobs and electro-hydraulic actuators. There's a tachometer and hourmeter plus tel-lights to monitor temperatures, pressures and oil levels. Instant digital readout of forward travel speed, engine, rotor and fan RPM.

**Reliable power** is yours in International diesel engines. From the 112 hp 1420 to the 190 hp 1480, there's plenty of power for propulsion, high-capacity threshing and fast hydraulics in all crops and conditions. Hydrostatic all-speed drives, perfected in IH combines give you infinitely variable ground

**Easy serviceability** is designed into Axial-Flow combines. There are fewer moving parts and components are easily accessible. The front of the engine is easy to reach without having to go through the grain tank. Hydraulics, drive elements and fuel tank are serviced from the rear deck.

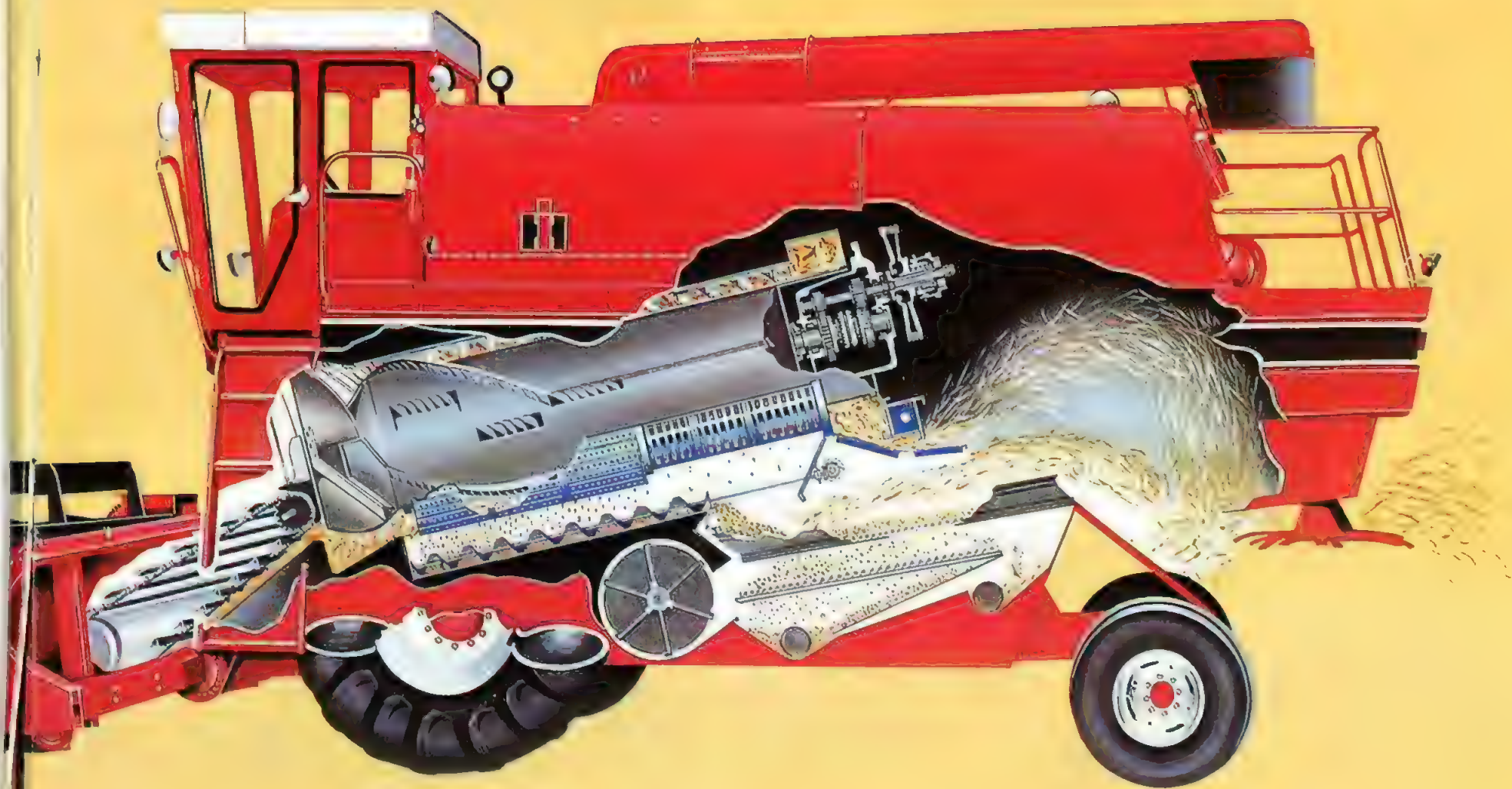
**Large grain tank capacities.** Axial-Flow models 1420, 1440, 1460 and 1480 have capacities of 125, 145, 180 and 208 bushels respectively. Pull-type and hillside models hold 245 and 145 bushels. You don't need tank extensions, and you have fewer stops to unload.

**Fast unloading.** As fast as 1.9 bushels per second to let you unload 208 bushels in less than two minutes. And because unloading tubes are extra-long, you'll have no trouble unloading on the go.

**Quick-Attach headers.** Changing from grain header to corn head is done quickly on Axial-Flow combines. Both headers are attached to the combine feeder with an over-center lock system. No wrenches are required, and it takes only a few minutes to hook up the drives.









# AXIAL-FLOW COMBINES

## 1480 Axial-Flow Combine

When it comes to power and productivity, the 1480 is in a class by itself. This big capacity combine, now available with a 30-foot header, is for the man who demands maximum productivity... the custom operator or for anyone with really big acreage. As with all Axial-Flow combines, it gives you the ultimate in a comfortable working environment plus major advantages in controls and instrumentation.

### Quick Facts:

- 190 hp, 436 cu. in. turbo diesel engine
- 208-bushel capacity grain tank
- 13 through 30-foot grain headers
- 13 through 22.5-foot flexible cutter-bar headers
- Windrow pickups in 110 and 132-inch widths
- 4 to 8-row corn heads for 28-30-inch rows
- 4 to 8-row corn heads for 36-40-inch rows

## 1460 Axial-Flow Combine

Want more power, bigger capacity than the 1440? Then this crop-hungry, grain-saving Axial-Flow combine can be the one for you. After you field test the 1460, we think you'll agree that it will do all you expect of it and more. And, you'll be pleasantly surprised at how simple it is to service a machine of this size.

### Quick Facts:

- 170 hp, 436 cu. in. diesel engine
- 180-bushel capacity grain tank
- 13 through 24-foot grain headers
- 13 through 22.5-foot flexible cutterbar headers
- Windrow pickups in 110 and 132-inch widths
- 4, 6 and 8-row corn heads for 28-30-inch rows
- 4, 5 and 6-row corn heads for 36-40-inch rows

## 1440 Axial-Flow Combine

The 1440 gives you more value than any combine in its class. Take a close look... check the specifications. You'll find it has the power and capacity that practically matches the largest conventional combines. And it has all the same grain-saving advantages and convenience features that you get on the bigger Axial-Flow combines.

### Quick Facts:

- 135 hp, 436 cu. in. diesel engine
- 145-bushel capacity grain tank
- 13 through 24-foot grain headers
- 13 through 22.5-foot flexible cutterbar headers
- Windrow pickups in 110 and 132-inch widths
- 4 and 6-row corn heads for 28-30-inch rows
- 4 and 5-row corn heads for 36-40-inch rows

## NEW! 1420 Axial-Flow Combine

Sized just right for smaller operations, yet it offers all the grain-saving advantages and productivity of larger Axial-Flow models. It is powered by a 112 hp diesel engine and has a 125 bushel capacity grain tank with 1.5 bushel per second unloading speed. New electro-hydraulic controls give you unmatched command of speed, header lift and reel lift. Two-position grates and shoe allow you to "fine-tune" the 1420 to a wide variety of crops and field conditions.

### Quick Facts:

- 112 hp, 358 cu. in. diesel engine
- 125-bushel capacity grain tank
- 10 through 20-foot grain headers
- 13 through 17.5-foot flexible cutterbar headers
- Windrow pickups in 110 and 132-inch widths
- 4-row corn heads for 28-30 or 36-40-inch rows









# COMBINE HEADERS



**There are two types of International grain-saving headers to meet your needs: The 820 flexible cutterbar header that cuts field losses of soybeans to approximately 3%; and the highly regarded 810 rigid cutterbar header. Both in a choice of sizes for small grains, seed crops and soybeans.**

## **820 Flexible Cutterbar Header**

The modern International 820 header has a cutterbar that can flex over ground contours to maintain a 1½-inch cutting height across its entire length. It skims under low hanging pods and lodged plants to save valuable beans and increase profits. With 4 or 6 sensors, depending on bar length, and the ability to float within a 6-inch range, the cutterbar hugs the ground to get beans other bars miss.

But flexibility is only part of the 820 header

minute means that you move through the field at higher travel speeds, wrap up the harvest earlier. There is no hump between the cutterbar and the auger, so plants lay back on the bottom sheets rather than rest on the knife to shatter the loose beans. The reel has more adjustments so it can be fine-tuned to virtually any crop condition. Adjustable divider points guide the crop into the reel, prevent end reel wrap. Also converts easily to a rigid bar header for other crops. Available in 13, 15, 16.5, 17.5, 20 and 22.5-foot sizes.

## **810 Rigid Cutterbar Headers**

Highly effective companions to Axial-Flow combines, 810 headers are available from 10-foot (less cutting equipment) to 30-foot sizes, with or without automatic header control and with 5 bat plain or 6 bat pickup

lift are standard except on headers without cutting equipment.

The 810 header offers outstanding efficiency because the cutterbar is farther ahead of the auger and feeder than on most other grain headers. This allows you to set the reel down close to the cutterbar when stands are thin and short, and provides extra room behind the cutterbar for better feeding of heavy material or fluffy crops.

A smooth running rotary knife drive cuts vibration to a minimum and means longer life. This feature is especially important for larger size headers.

## **Windrow Pickup**

Quick-attaching belt-type pickups are available in 110 and 132-inch sizes for use with 810 grain headers. You'll like the way they sweep





# COMBINE CORN HEADS

**Quick-attachable 800 Series low-profile corn heads get more ears even in down and tangled crops. They are field proven on IH Axial-Flow combines for maximum corn recovery.**

## **800 Series Corn Heads**

The low-angle design of rolls on 800 Series corn heads is ideal for saving low-hanging or down ears on lodged crops. Rolls are self-cleaning and can be conveniently serviced without removing them from row unit frames. Efficient snapping and ear movement is provided by curved inner edges of stalk roll shields. There's reduced bouncing of ears and less trash goes through the combine.

Corn is moved from row units to the feeder by a specially designed auger and trough combination that keeps ears low in the trough to reduce losses.

Model	Number of Rows	Row Spacings
843	4	28" or 30"
844	4	36", 38", 40"
854	5	36", 38", 40"
863	6	28" or 30"
864*	6	36" or 38", 40"
883	8	28" or 30"
884**	8	36", 38", 40"

\* This size and larger for 1460, 1480

\*\* This size for 1480



# SPECIALTY COMBINES, WINDROWER

**New pull-type and hillside combines plus three rice machines complete the grain-saving line of International Axial-Flow combines. You get capacity, efficiency and productivity unmatched in the industry.**

## **NEW! 1482 Axial-Flow Pull-type Combine**

With dimensions the same as the huge 1480 self-propelled, the 1482 is the largest, most productive pull-type combine you can buy. You'll be able to get your crop out faster than ever before... save more of it, too, with the Axial-Flow threshing system. Hydraulic and electric controls, plus tractor control panel with digital tachometer readout lets you monitor all vital functions.

### **Quick Facts:**

Can be powered by any 130 hp or larger tractor with 1000 RPM PTO and two hydraulic valves for pickup work, or three for direct cut work, plus a 7-pin electrical connection.

- 245-bushel capacity grain tank
- 17.5-foot direct-cut grain header
- 12.5-foot header for windrow pickup

## **NEW! 1470 Axial-Flow Hillside Combine**

Now the gentle, grain-saving Axial-Flow threshing principle is available in a hillside combine designed to set new standards of efficiency and productivity. The 1470 levels on slopes up to 48% and has 4-wheel

hydrostatic ground drive for better traction, stability, and mobility on slopes.

### **Quick Facts:**

- 205 hp, 466 cu. in. diesel engine
- 145-bushel capacity grain tank
- 20, 22.5 and 24-foot rigid cutterbar headers
- 20 and 22.5-foot flexible cutterbar headers

## **1420, 1460 and 1480 Rice Combines**

These big Axial-Flow machines are specially designed for harvesting in tough rice conditions; but they also can be used in soybeans, maize, and small-grain. Major design differences from standard combines include a special rice rotor, ricefield tires or tracks, guide axle shield, long unloading auger, raised grain tank leveling auger and swing-up operator's deck ladder. The 1460 and 1480 can be equipped with tracks in place of rubber tires; the 1420 is equipped with rubber tires only.

## **75 Pull-type Windrower**

You can windrow all kinds of grain, even flax, with one of these big-capacity, low-cost pull-type windrowers. Adjusts on the go to match operating speeds to crop conditions. Available in 15, 18, 21 and 25-foot sizes, plus 3-foot extension attachments for all except the 25-foot size. Requires 30 hp or larger tractor with 540 RPM PTO.



## **Stand by 7**

**Emergency weekend service designed to keep your equipment going!**

We know you don't stop to take the weekend off during the planting and harvesting seasons. And neither do we; there's too much at stake.

That's why International Harvester created Stand by 7—a helpful customer support program that assures you we'll have someone on tap on weekends and after regular hours for emergency parts and service.







# COTTON HARVESTING EQUIPMENT

**International pickers and harvesters offer the most for fast and efficient harvesting. You get more for overall productivity and more for reliable, long-life performance.**

## **782 Cotton Picker**

Introduced just two years ago, the International 782 has set productivity standards unmatched in the field: Fast picking; efficient cleaning; convenient operation and easy servicing. And its many exclusive features result in exceptional reliability and long operating life.

### **Unequaled picking unit performance**

Spindle bars work closer to the ground than on other pickers, so they get more low-hanging bolls. Longer spindles, improved moistening pad supports and exclusive Dof-Flex doffers provide unexcelled picking efficiency. Exclusive Protec-O-Matic clutches guard against drum damage. Larger spindle bar journals and bearings, plus cam track design that greatly reduces the number of cam crossovers add to long-life dependability. And no other picker's automatic height control can match the superior performance you get on the 782.

### **Powerful air system**

A big-capacity fan provides enough air to blow picked cotton all the way from drum doors to the basket in an uniform, steady flow. No uneven slugs are formed, as with systems that suck part way and blow the rest of the way. Cleaning is more efficient.

### **Big basket dumps fast**

Dump design geometry results in fast, easy action with simpler linkage, fewer arms and straps to clutter the outside of the basket. Collection of trash is reduced, and you have

a more practical, more pleasing overall appearance. The vane-type basket cotton distributor gives you not only more uniform, bigger capacity filling, but also enables you to hold back approximately half the load while dumping the remainder—another IH exclusive.

### **Operator comfort, convenience**

Roomy IH Control Center provides the ultimate in operator comfort. Pressurized ventilating system, adjustable-position steering wheel, fabric covered adjustable seat, convenient control console and optional air conditioner are only a few of the features that result in an operator environment that can help increase productivity.

### **The 782 cotton picker is available three ways, all with hydrostatic drive and basket cotton distributor**

1. With high drum, automatic height control, and hydraulic drum engagement.
2. With high drum.
3. With low drum, automatic height control, and hydraulic drum engagement.

### **NEW! 1400 Self-propelled Cotton Harvester**

Available in four different configurations, the 1400 is the most adaptable harvester on the market. Get it as a 2-row for solid-plant cotton in 30 to 40-inch rows, a 3-row for solid-plant in 36, 38 or 40-inch rows, a 4-row for 30, 32, and 34-inch skip-rows and 36, 38, and 40-inch solid-plant, and a 4-row skip-row for 30 to 40-inch rows. Pressurized cab, 637 cu. ft. basket, 120 hp engine, 7.9 MPH maximum stripping speed (depending on conditions), individual control of units—and much more, is standard equipment.







#### **Monitor Systems**

Monitor systems help you harvest more confidently because they allow you to realize maximum equipment efficiency and materially reduce downtime. They provide a continuous, positive check of vital functions and alert the operator before serious trouble develops. Optional equipment on the 782 picker and standard equipment on the 1400 harvester.









# MATERIALS HANDLING EQUIPMENT

Most successful dairymen and livestock men are constantly looking for ways to improve their efficiency and profitability. One of the most effective ways to do this is by substituting machine power for manpower. International Harvester offers a broad choice of specialized equipment that provides labor-saving and time-saving ways to accomplish a wide variety of "chore" jobs around any farm. It's equipment that's designed for continuing high-performance, ton after ton, acre after acre, hour after hour. Every one of these IH machines will free more of your time for management, which is the key to profitability for the most progressive and successful operators.

**Compact skid-steer loaders**—Five models range in size from 18 hp to 58 hp. Diesel or gas, depending on model.

**Tractor-mounted loaders**—Three Mount-O-Matic models for tractors from 40 to 160 hp . . . two economy models for utility tractors.

**Manure spreaders**—Five models with capacities from 119 to 276 bu.; three with single axles plus two tandem-axle models.

**Rear-mounted blades**—Five models with moldboards from 6 to 10 feet, and for tractors from 17 to 160 hp.

**Grinder-mixer**—With 105 bu. capacity, it simplifies on-farm feed-making for all your livestock.

**Shredders**—Two models with working widths from 150 to 170 inches for fine-shredding crop residues before tillage.

**Farm wagons**—Two tandem-axle models with 10 and 12-ton capacities plus five single-axle models ranging from 4 to 12-ton capacities.

**Snow blowers**—Two models that mount on 3-point hitch clear 78 and 86-inch paths.



# COMPACT LOADERS

**Five compact skid-steer "Hustler" loaders—from a heavy-duty 58 hp down to 18 hp—all with four-wheel drive and fast-action hydraulics to power all kinds of jobs on and off the farm.**

You'll find dozens of uses for International compact loaders—all around your farm. All have skid-steer maneuverability—turn 360 degrees within their own tracks—and compact design, so they can scoot in and out of doorways and small confined areas where a full-size tractor and loader can't. Hydrostatic 4-wheel drive provides infinitely variable ground speeds, down to the slowest crawl, without changing engine RPM or shifting gears. Easy-to-change quick-attach matching attachments are available to fit a wide range of around-the-farm jobs. All models have a single T-bar hand lever control for steering and speed, another lever for boom and bucket.

Model	HP	Engine	Tipping Load	Dump Height
4150	58	Diesel	4000 lb.	111"
4140	40	Diesel or Gas	2600 lb.	82 1/4"
4135	25	Gas	1800 lb.	85 1/2"
4136	30	Diesel	1920 lb.	85 1/4"
4125	18	Gas	1300 lb.	78"







# FRONT-MOUNTED LOADERS

Every International loader is designed for fast, simple mounting and demounting to save you time. Add highly efficient lifting capacity and long-life construction, and you have the best loader buys in the business.

## Mount-O-Matic Loaders

With a Mount-O-Matic, your tractor hydraulics do the hard work—power the loader on and off the mounting brackets. Two retaining pins secure the loader mounting brackets when mounted, and when the loader is removed, its subframe drops down to serve as a parking stand.

### 2450 Mount-O-Matic

This big capacity loader is designed with an extra-high lift. For tractors 80 hp and above.

### 2350 Mount-O-Matic

Designed with the same strength and capacity as the 2450 but with slightly less reach. For tractors 65 hp and up.

### 2250 Mount-O-Matic

Medium-duty model for tractors with 40 to 80 hp.

### 2200 Economy Loader

This quick-mounting loader has a custom-fit design for International 484 and 584 utility tractors.

### 1850 Loader

Designed for mounting on IH 384 tractors. Also fits IH 354, 364, 454, 574 and 674 tractors.



Model	Lift	Breakout Force	Dump Height
2450	3500 lbs.	5,000 lbs.	16'
2350	3500 lbs.	5,000 lbs.	12'
2250	2500 lbs.	3,500 lbs.	10'5"
2200	1700 lbs.	2,500 lbs.	9'
1850	2300 lbs.	2,800 lbs.	7'9"



# MANURE SPREADERS

**Rugged Bear Claw shredding and spreading action, plus life-time guaranteed rust-resistant steel sides, make IH 500 Series spreaders a best buy. There's one to fit your type and size of operation, with heaped capacities from 119 to 276 bushels.**

Count on an International spreader for big-capacity, trouble-free spreading performance year after year. Their single beaters have heavy Bear Claw type paddles, each with four staggered cutting edges to tear and shred packed or frozen chunks effectively. Smooth running beveled worm-gear transmissions assure long drive train life. Two apron speeds are standard. Boxes with rust-resistant steel sides and 3/4-inch treated plywood floors are fully supported by A-frames that extend all the way back to the wheels. Attachments include Bear Claw upper beaters, adjustable hydraulic endgate and slurry pan.

## **595, 575 Spreaders**

Two heavy-duty models for the man who needs to spread big volumes of material fast. Tandem wheels on bogie-type axles help ease heavy loads over rough ground without twisting. Dual aprons with heavy-duty Graetz chain for exceptional reliability.

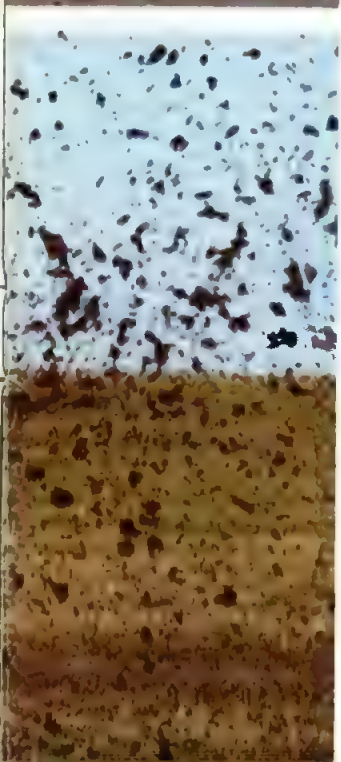
## **550, 540, 530 Spreaders**

These three single-axle models provide an ideal choice for moderate to smaller size operations. They're designed with the same performance and reliability features as the bigger-capacity models.

Model	Capacity Heaped		Capacity Struck	
	Bu.	Cu. Ft.	Bu.	Cu. Ft.
595	276	343	188	234
575	218	271	149	185
550	174	216	98	122
540	149	185	84	104
530	119	148	68	84







# REAR-MOUNTED BLADES

You'll find dozens of uses for versatile International rear-mounted blades. Five models, each capacity-matched to specific horsepower ranges—17 to 160 hp.

A rear-mounted blade can be one of the handiest pieces of equipment you own. Use it for ditching, road and lane grading, leveling, terracing, backfilling, feed-lot cleaning, snow clearing, and many other jobs. Blade cutting edges are high-carbon steel, designed to cut, not scrape, through tough soils. A wide range of adjustments lets you handle many different jobs in varying conditions with minimum effort.

## 50 Blade

Heaviest-duty blade in the line, for high-horsepower tractors. Can be front-angled, reverse-angled, offset and tilted. Choice of mechanical or hydraulically-controlled adjustments. Category II or III 3-point hitch.

## 40 Blade

A slightly smaller heavy-duty blade that can be angled, reversed, offset and tilted. Available with hydraulic offset, gauge wheels, side plates, and skid shoe attachments. Category I or II 3-point hitch.

## 30 Blade

Same sizes as the 40 blade, but somewhat lighter in weight. It also angles, reverses, offsets and tilts; and is available with the same attachments as the 40. Category I or II 3-point hitch.

## 20 Blade

Economy model for smaller-powered tractors. Angles, reverses and tilts (with tractor hitch). There is no offset. Available with gauge wheel, side plates and skid shoe attachments. Category I 3-point hitch.

## 15 Blade

Highly useful model for small tractors. It can be angled right and left, reversed in one position, and tilted with tractor hitch. No offset. Category I 3-point hitch.

Model	Moldboard Width	Moldboard Height	For Max. Drawbar HP
50	8', 10'	18½"	90-160 hp
40	7', 8'	17½"	55-90 hp
30	7', 8'	17¼"	30-60 hp
20	5', 7'	17"	17-30 hp



# GRINDERS, SHREDDERS, WAGONS, SNOW BLOWERS

## 1250 Grinder-Mixer

If you have a livestock or dairy operation, chances are you can profit from the fast, efficient uniform grinding-mixing performance of the 1250. It has a big 105-bu. capacity, plus features designed to make on-the-farm grinding, mixing and feed delivery accurate and easy. It's equipped with a separate concentrate hopper, and with an efficient dust collecting system that helps keep the environment clean. The unloading system incorporates a high-reach vertical auger with a long-reach unloading auger which swivels to either side for unloading versatility—hydraulic lift and swing for auger is optional.

A choice of options and attachments is available for special needs and preferences, including an electronic scale to help you achieve perfectly balanced rations every time. An optional electronic digital read-out indicator continuously displays weight as you fill and unload.

Smooth, positive delivery of either 540 or 1000 PTO tractor power is assured by 6 double-V banded drive belts. Optional folding extensions are available for longer unloading reach.

## 50 and 60 Shredders

Excellent choices for fine shredding of toughest crop residues—corn, cotton, sorghum, etc. Shredding speeds decomposition, destroys corn borers and pink bollworms. Also makes plowing, planting and cultivating easier. Other

profitable uses include clipping pastures and cutting weeds. The 50 is 150 inches wide; the 60 is 170 inches wide.

## 300 Series Farm Wagons

The IH lineup includes 7 models with capacities ranging from 4 to 12-tons (ASAE ratings). They're all built with wide tracks and low centers of gravity for stability and with automotive type steering for good trailing characteristics and short-turn maneuverability.

## NEW! 375, 385 Tandem Wagons

These big tandem axle models with 10 and 12-ton capacities offer superior flotation in soft spongy conditions and are well-suited for use with power forage boxes. Bogie axles allow the rear wheels to move up and down over rough fields, even when boxes are filled to capacity.

## 310 thru 335 4-wheel Wagons

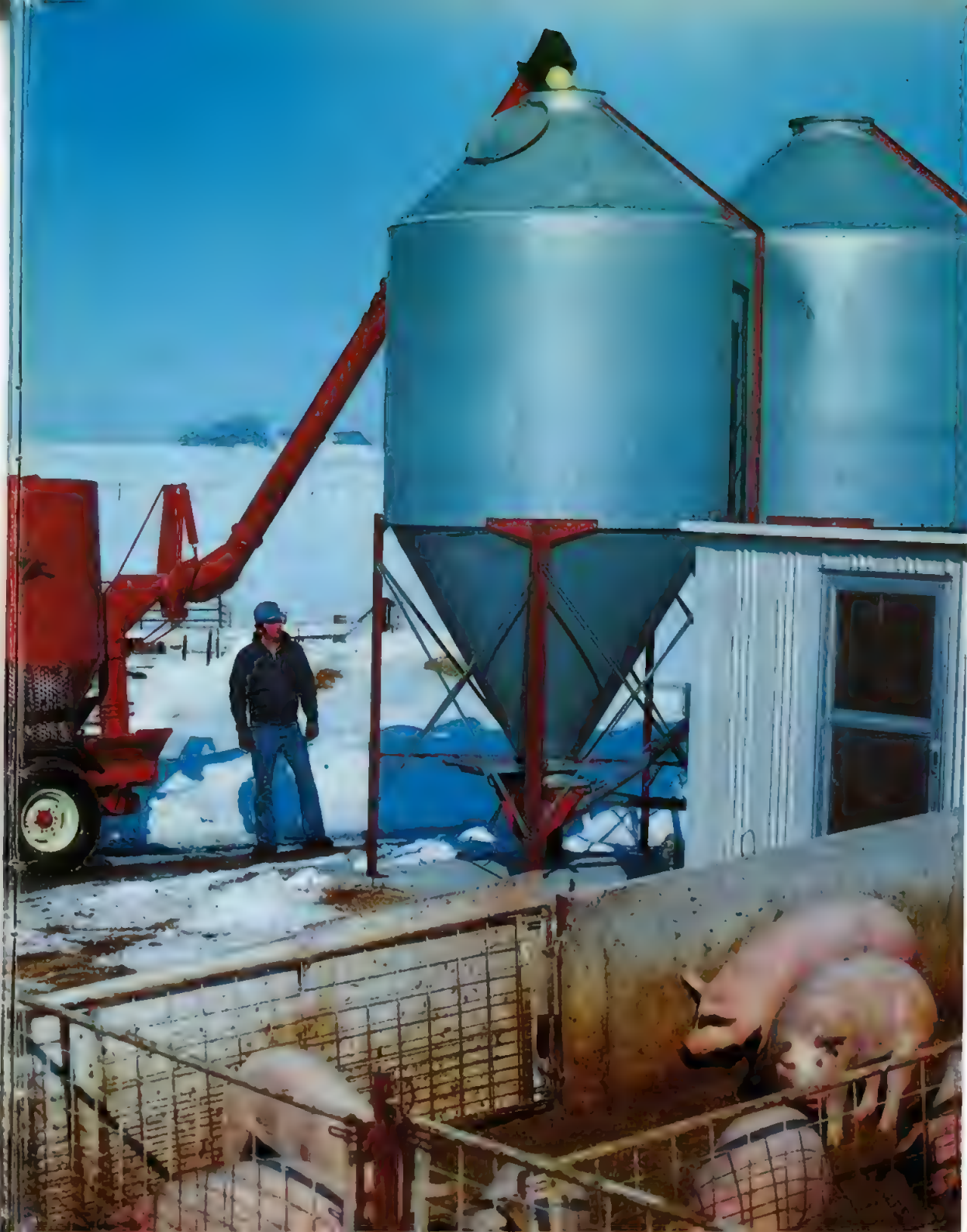
Five models ranging from a 4-ton wagon to the heavy-duty 12-ton 335. All feature greaseless bushings in the steering arms and heavy-duty wheel spindles for reliable, long-life performance.

## 70 and 80 Snow Blowers

Ideal, tough-winter-proven machines for clearing snow from roads, driveways, barnyards, and feedlots. Both are also profitable performers for custom clearing of schoolyards, construction job sites, parking lots and service station areas. The 80 clears an 86-inch path, the 70 clears 78 inches. 3-point hitch mounted.







60



NEW  
375









# NEW INTERNATIONAL CADET® TRACTORS



182 &  
282



382



**A great farm heritage comes home in the newly designed line of International Cadet Tractors for lawn and garden. 8 models to choose from—8 hp to 19.9 hp.**

Like big IH farm tractors, every Cadet is a product of the most advanced design and engineering program in the business. And, like the big farm tractors, every Cadet is built solid from the ground up—with extra-duty features like cast iron I-beam front axles and rugged, steel channel frames. The result is dependability, performance and the versatility to handle hundreds of jobs from big-acreage mowing and snow removal to tillage and cultivating.

**Cub Cadet 982.** Here's the tractor professionals have been waiting for. Responsive 19.9 hp twin cylinder engine plus a long list of features like hydraulic lift, high flotation tires and hydrostatic transmission are standard. Options include a rear PTO with electric clutch, right and left steering brakes and a Category "O" 3-point hitch.

**Cub Cadet 782.** This Cadet puts power in your hands. Hydraulic lift raises and lowers attachments with a flick of your finger. Hydrostatic transmission gives you one lever speed control. And a 17 hp engine with diametrically opposed twin cylinders means plenty of smooth-flowing power. Optional front hydraulic outlets available.

**Cub Cadet 682.** The 682's hydrostatic transmission eliminates clutching and gear shifting—provides infinitely variable speeds from 0 to 8 mph forward and 0 to 4 mph in reverse. A twin cylinder 17 hp engine and dozens of optional attachments help make big jobs seem smaller. Extra-value features include a Maintenance Minder, headlights and a special noise reduction design.

**Cub Cadet 582.** The 582 takes after its big brothers on the farm. An all-steel, automotive-type drive train gives you steady, sure power with no chains or belts to slip, break or wear out. With a twin cylinder, 16 hp engine and 3-speed gear drive plus reverse, it's a tractor that won't back down from hard work.

**Cub Cadet 482.** Here's an economy lawn and garden tractor with extra value built in. Just compare features: Steel channel, automotive-type frame; 11 hp Synchro-Balanced® engine; electric PTO; built-in creeper drive; Quick-Attach attachments system. The 482 is one solid value.

**Cadet 382.** A powerful 11 hp engine and 3-speed heavy-duty transmission plus reverse, let you cut a wide range of jobs down to size with ease. Optional creeper drive provides a 4-to-1 speed reduction in each gear for extra heavy jobs like snow throwing.

**Cadet 182 and 282.** Two tractors designed to turn drudge work into fun work. An 8 hp single cylinder engine is standard with your choice of gear drive (182) or hydrostatic drive (282). Over a dozen optional attachments (including a 5-bushel rear bagger) let you use your Cadet four seasons a year.

**International Cadet Attachments.** Your International Cadet will earn its keep all year. Cadet Tractors take a 36-inch twin blade rotary mower. Cub Cadet Tractors accept three mower sizes: 38, 44 and 50 inches. Optional attachments include snow throwers, rotary tillers, front blades, sweepers and trailers. Over 50 Special Duty Attachments include plows, aerators, sprayers, planters, log splitters and many more.







# MORE POWER LAWN PRODUCTS

## Cadet® Riding Mowers

Choose from three models of IH riding mowers for smooth and easy lawn care. The economy-priced Cadet 55 has a 5 horsepower engine. Both the Cadet 85 and the Cadet 85 Special feature an 8 horsepower, Synchro-Balanced® engine which reduces vibration and wear. Lo-Tone mufflers cut noise levels. A tight, 25-inch turning radius makes trimming around trees and garden edges a cinch. 32-inch, double-blade or 28-inch, single-blade mowers. An optional 5-bushel grass catching attachment is available for the Cadet 85 Special and Cadet 55. All models have a durable, fiberglass body.

## 184 Lo-Boy® Tractor

A low profile—just 49 inches in height—gives the Lo-Boy excellent stability required for grounds maintenance work. An 18.5 hp engine provides plenty of power. Hydraulic lift and independent rear PTO are standard. Lo-Boy handles a 60-inch rotary mower plus snow blades, loaders, harrows, tillers, plows, cultivators and more. It's the favorite for a wide variety of work.

## 284 Compact Tractor

The ideal tractor for handling a wide variety of grounds-keeping chores at institutions and utility work on smaller farms. Take your choice of a 4-cylinder 28 hp gasoline engine or 3-cylinder 30 hp diesel engine. Both have an easy-shift transmission with 8 speeds forward and 2 reverse. The 2-speed PTO transfers more than 25 hp on the 284 gas model and 27 hp on the 284-D diesel. Category I 3-point hitch. You get a lot of tractor in a smaller package with all the quality you expect from International.

## Power Mowers

All International walk-behind mowers have

action blades for smooth cutting and easy height adjustability. Three models in all, with the top of the line a deluxe 21-inch, 4-hp self-propelled. It has a 2¼-bushel rear grass catcher (standard) removable for mulching. Or you can choose the 21-inch, 3½-hp self-propelled with side discharge... or the economy 19-inch, 3-hp push-type with side discharge. Both are available with optional one bushel grass catchers.

## 268 2-Stage Snow Blower

This powerful International 2-stage, 8-hp snow blower has 2 steel augers for cutting into drifts and handling heavy, packed snow. Self-propelled. Operating controls are on the handlebars and the adjustable chute lets you put the snow where you want it anywhere along a 180° arc. Clears a 26-inch path. Ideal for walks and drives.

## Lightweight Snow Thrower

Although it weighs only 33 pounds, the IH thrower is a little giant when it comes to moving snow in a hurry. The 2 hp engine drives rubber paddles at 1000 RPM to scrape snow off steps, walks and driveways. Safety-lock key ignition. Enclosed drive. So light you can hang it up out of the way.

## 526A Rotary Tiller

Powerful way to prepare seed beds, mix in fertilizer and compost, renovate lawns. The 526A has the muscle, action and control you need for deep, thorough tillage—without the toil. Easy-start 5 hp engine delivers instant, dependable power. Forward and reverse controls on the handlebars. Depth control to 8 inches. Standard tilling width is 26 inches. Removing tines reduces tilling width to

## 255 Power Washer

A really useful item to solve dirt and grime problems with 500 psi of cleansing power. Handgun nozzle has three different power settings. Just turn a knob to add cleaning solution. Use it for everything from power-washing trucks and implements to scrubbing pens, bins and milking equipment.

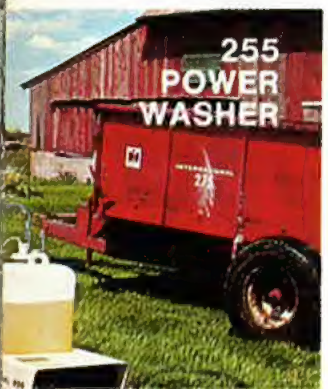


## Get set for the season ahead!

Get full enjoyment from all your leisure time this season. You won't be delayed by downtime if you get your equipment ready for the full season of work ahead.

Inspect your equipment now. First, look for frayed belts. Replace them with genuine IH belts, which we designed for perfect fit and to resist shock and stretching. They're oil, heat, and weather resistant.

Next, check to see if you need a new blade for clean, fast cutting. Remember, genuine IH blades are heat-treated to retain their edges and to resist shock and damage.





# LUBRICANTS

Use IH Engine Oil . . .  
Pour it in . . . and pour it on!

## IH Engine Oil

International Harvester has developed two distinct engine oils to meet the needs of different engines. Both have been formulated to satisfy the requirements demanded by hour-after-hour operation at the punishing temperatures built up on modern farm engines.

## Use IH Low Ash engine oil for . . .

- All gasoline, farm, and industrial tractors
- Cub Cadet tractors
- All two-cycle diesel, LPG, and natural gas engines
- All truck and car gasoline engines requiring an API SE oil

IH Low Ash engine oil exceeds API Service Classification SE. It's designed to eliminate the principal gasoline engine problems of exhaust valve torch-type failures under heavy load and oil ash fouling of spark plugs under light load.

## Use IH No. 1® engine oil for . . .

- All four-cycle diesel engines.
- Truck and car gasoline engines requiring an API SE oil.

This oil will withstand the greater temperatures of heavy-duty operation and resist chemical breakdown much longer.

## International® Hy-Tran® hydraulic transmission fluid

Quality is so much an integral part of Hy-Tran that we say this product has no equal anywhere. It'll protect your tractor and equipment three ways:

- Maintains its lubricating qualities under extreme gear loads.
- Keeps your transmission and hydraulic system sludge free.
- Prevents corrosion—extending the life of the entire system.

## International 251-H EP grease

This multi-purpose No. 2 lithium EP grease is the finest grade you can buy. It's ideal for most truck, tractor, and agricultural equipment applications.

## Standardize on Genuine IH Filters

It doesn't make sense to try to stretch a few extra hours out of your old filters . . . or try to save a few cents by buying "will fits." You'll get protection only if they're changed at the interval recommended in your operators manual . . . and only if you select the proper filter recommended for your particular application. Your IH dealer is the only one who can give you the exact type of IH filter needed for your tractor. See him for lube, air, fuel, and hydraulic filters.







## FINANCE

**Work with Master Key Financing.**  
Because our business rides with yours.

Before you make your next equipment purchase, check out the business advantages of **Master Key Financing**. And keep your bank lines open. **Master Key Financing** is available through IHCC, one of the International Harvester companies, offering these important advantages:

*Responsive Terms*—anticipating your peaks and valleys and accommodating them.

*Reasonable Rates*—as low as just about anyone else's.

*Responsible Partnership*—we'll do what we can to help keep you going even when the going gets rough.



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## When you make IH your brand, your dealer backs you up with valuable support services.



Purchasers of IH equipment automatically qualify for a "bonus"—the many support services available from IH dealers. This support service extends from the time you first plan to add a new piece of equipment until the day you trade it in. Examples include:

**Finance Services.** IH Credit Corporation can help you get the equipment you need, when you need it, while you conserve your cash. Full financing, leasing or short-term rental.



**Uptime Service.** Provides for regularly scheduled pre-season maintenance to help you guard against downtime during the critical planting and harvesting periods.



**Stand by 7.** An after-hours and weekend emergency parts and service program to help you keep going during key periods.



**Pro-Ag.** The farm management program that helps you identify bottlenecks in your operation, then shows you options, including equipment changes. An on-going program you can re-figure, update and change at any time through your IH dealer.

Your dealer has other programs as well—all intended to improve your business of farming. Your future is his future, too.

These services provided in U.S. only.

